# Cookie Run Accessibility Evaluation

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# **Executive Summary**

This report describes the conformance of the Etsy website with <u>W3C's Web Content</u>

<u>Accessibility Guidelines (WCAG)</u>. The review process is described in the Review Process section below and is based on evaluation described in <u>Accessibility Evaluation Resources</u>.

This evaluation and the subsequent redesign covered three unique WCAG 2.1 criteria for each page evaluated: Home page, Product page, and Collections - New page. Based on this evaluation, the reviewed Cookie Run website pages **do not meet** the WCAG 2.1, Conformance Level A, AA, and AAA.

Annotated reviews are available in the Reviewed Pages section below. Annotated redesigns are available in the Redesigned Pages section below. Resources for follow-up study are listed in References below. Feedback on this evaluation is welcome.

# **Background About Evaluation**

Conformance evaluation of web accessibility requires a combination of <u>semi-automated</u> <u>evaluation tools</u> and manual evaluation by an experienced reviewer. The evaluation results in this report are based on evaluation conducted on the following date(s): 10/23/2022 to 10/27/2022. The website may have changed since that time.

# Scope of Review

**Website:** Cookie Run Store / Global | Official Store (desktop website)

**Purpose of site:** Cookie Run Store is the official and global shopping website for the mobile game, Cookie Run, and it sells official merchandise of the game.

Base URL of site: <a href="https://cookierunstore.com/">https://cookierunstore.com/</a>

#### **URLs** included in review:

- 1. Cookie Run Store Home Page: https://cookierunstore.com/
  - Reviewed manually and using semi-automated evaluation tools (WAVE & ANDI).
- 2. Cookie Run Store Product Page: <a href="https://cookierunstore.com/products/7138094055610">https://cookierunstore.com/products/7138094055610</a>
  - Reviewed manually and using semi-automated evaluation tools (WAVE & ANDI).
- 3. Cookie Run Store Collections New Page: <a href="https://cookierunstore.com/collections/new">https://cookierunstore.com/collections/new</a>
  - Reviewed manually and using semi-automated evaluation tools (WAVE & ANDI).

## **Review Process**

#### WCAG 2.1 Level for which conformance was tested: WCAG 2.1 Level A, AA, AAA

- Home Page
  - 1.4.3 Contrast (minimum)
  - o 2.2.1 Timing Adjustable
  - o 2.4.7 Focus Visible
- Product Page
  - o 1.1.1 Non-text Content
  - 1.2.8 Multimedia Alternative (prerecorded)
  - 1.4.9 Images of Text
- Collections: New Page
  - o 1.4.11 Non-text Contrast
  - o 2.3.3 Animation from interactions
  - 2.4.9 Link Purpose (Link only)

#### Evaluation and validation tools used, and versions:

- WAVE version 3.1.6
- Web AIM Contrast Checker
- ANDI, Apache License 2.0
- A11y Contrast Checker

#### Description of manual reviews (usability testing of accessibility features) used:

Visual review

- Keyboard navigation
- The scenarios where context, visual observation, and keyboard testing were required were tested according to the specific WCAG guidelines provided.

# **Reviewed Pages**

## Overview

- Home Page
  - 1.4.3 Contrast (minimum): Does not pass
  - o 2.2.1 Timing Adjustable: Does not pass
  - o 2.4.7 Focus Visible: Does not pass
- Collections: New Page
  - o 1.4.11 Non-text Contrast
  - o 2.3.3 Animation from interactions
  - o 2.4.9 Link Purpose (Link only)
- Product Page
  - o 1.1.1 Non-text Content
  - 1.2.8 Multimedia Alternatives (prerecorded)
  - o 1.4.9 images of text

# Reviewed: Home Page

For the Cookie Run Store Home page, the following WCAG 2.1 Criteria were evaluated:

• 1.4.3 Contrast (minimum) - Level AA

o Status: Does not pass

• 2.2.1 Timing Adjustable - Level A

o Status: Does not pass

• 2.4.7 Focus Visible - Level AA

o Status: Does not pass

1.4.3 Contrast (minimum) - Level AA

Status: Does not pass

Description of Criteria: The WCAG 2.1 Guidelines for 1.4.3 Contrast (minimum) require that the visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for

the following:

Large Text: Large-scale text and images of large-scale text have a contrast ratio of at

least 3:1

**Incidental**: Text or images of text that are part of an inactive user interface component,

that are pure decoration, that are not visible to anyone, or that are part of a picture that

contains significant other visual content, have no contrast requirement

Logotypes: Text that is part of a logo or brand name has no contrast requirement

**Summary of Issues:** 

Overall, the Home page doesn't pass the Contrast (minimum) criteria. Most of the issues

should be easy to fix by increasing the contrast of the text to the background (or

selecting a different text/background color). Having enough contrast is an important

element of visual accessibility, and "the intent of this Success Criterion is to provide

enough contrast between text and its background so that it can be read by people with

moderately low vision (who do not use contrast-enhancing assistive technology)",

according to the WCAG 2.1 guidelines.

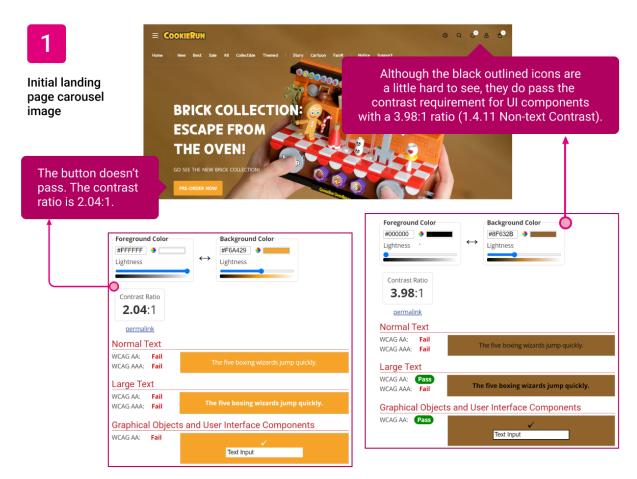
The Home page doesn't provide an accessibility option to let users switch to a different

contrast mode (high, low), which would help users with visual disabilities (WCAG 2.1

techniques).

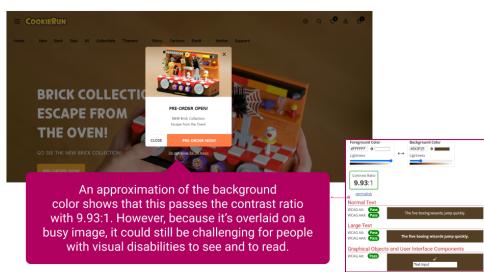
- Because some of the background colors are from images (such as the banners and section titles), a background color for that image isn't specified, which would make it difficult "for users to set their own colors in their browser or Assistive Technology", according to the WCAG 2.1 techniques.
- A big issue is when text gets overlaid on busy images. I manually tested the text overlaid on the images; for some with busy images, I couldn't color-pick and test all the colors against the overlaid text individually, so I tested the largest amount of color. It's important to note that the busyness of the image could still make the text be challenging and inaccessible for users with visual disabilities, even if they technically do pass the contrast ratio. Where I'm unable to individually color-pick or use a semi-automated testing tool to test the contrast ratio, I make visual observations for areas which accessibility could be improved for users with visual disabilities (such as with the busy images).
- Another minor issue is that some of the UI components technically pass the color contrast ratio but may not be the easiest to see, such as the outlined navigation icons.

#### **Home**



2

Initial landing page carousel image with popup



**Home** 

For the following screens, the contrast issues in the text and image background are worsened because the images have "busy" content which overlaps with the text.

The contrast issues plus the speed of the carousel both make a challenging and inaccessible reading experience for users with visual disabilities.

4

image

Third landing page carousel

Second landing page carousel image

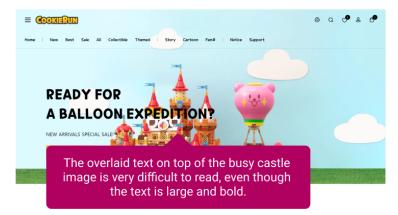


**Home** 

For the following screens, the contrast issues in the text and image background are worsened because the images have "busy" content which overlaps with the text. The contrast issues plus the speed of the carousel both make a challenging and inaccessible reading experience for users with visual disabilities.

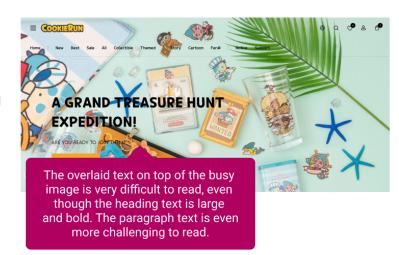


Fourth landing page carousel image

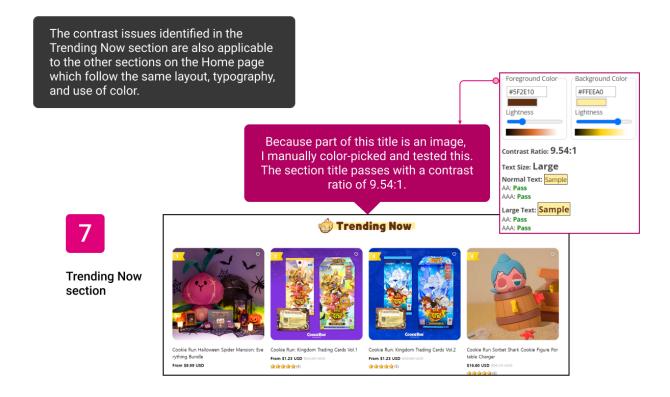




Fifth landing page carousel image



## Home





### **Home**

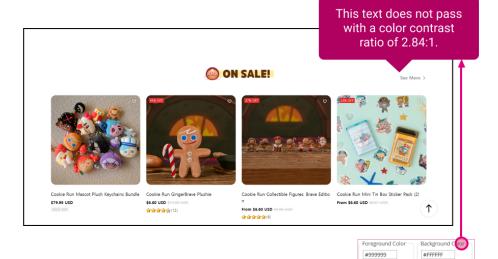


Brick Collection banner



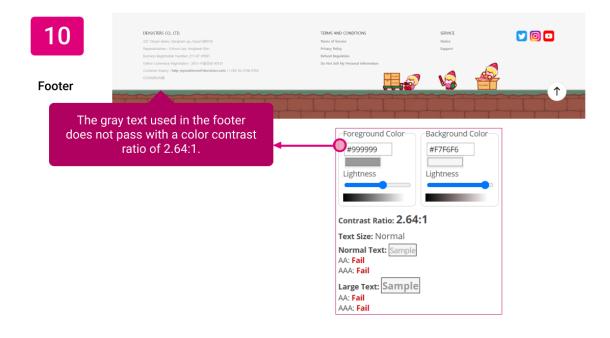
9

On Sale section



Contrast Ratio: 2.84:1
Text Size: Normal
Normal Text: Sample
AA: Fail
AAA: Fail
AAA: Fail
AAA: Fail

## Home



2.2.1 Timing Adjustable - Level A

Status: Does not pass

**Description of Criteria:** The WCAG 2.1 Guidelines for 2.2.1 Timing Adjustable require that one

of the following the following criteria be true to pass:

1) **Turn off**: The user is allowed to turn off the time limit before encountering it

Adjust: The user is allowed to adjust the time limit before encountering it over a wide

range that is at least ten times the length of the default setting

3) Extend: The user is warned before time expires and given at least 20 seconds to extend

the time limit with a simple action (for example, "press the space bar"), and the user is

allowed to extend the time limit at least ten times

4) Real-time Exception: The time limit is a required part of a real-time event (for example,

an auction), and no alternative to the time limit is possible

5) Essential Exception: The time limit is essential and extending it would invalidate the

activity

6) **20 Hour Exception**: The time limit is longer than 20 hours

**Summary of Issues:** 

Overall, the Home page doesn't pass the Timing Adjustable criteria. It doesn't pass any

of the components listed above because the carousel banners start rotating

automatically and don't give the user an option to turn it off, adjust the timing, or pause it.

There's also no real-time, essential exception, and 20 hour exception.

The banners rotate through five images, and they last less than five seconds. This isn't

accessible because the text content on the banner is important to read, and with the

banner changing so quickly, users with visual disabilities and cognitive disabilities will

have trouble with reading the banners. According to the WCAG 2.1, "People with low vision need more time to locate things on screen and to read. People who are blind and using screen readers may need more time to understand screen layouts, to find information and to operate controls" (WCAG 2.1).

- Extra visual details which make the carousel experience inaccessible to people with visual disabilities are:
  - Contrast problems between the carousel controls and images
  - Inconsistent carousel control height (lower on the first image, so it doesn't show up on the screen)
  - Combination of contrast problems between the background image and overlaid text plus the speed of the carousel moving

## 2.2.1: Timing Adjustable - Level A

#### **Home**



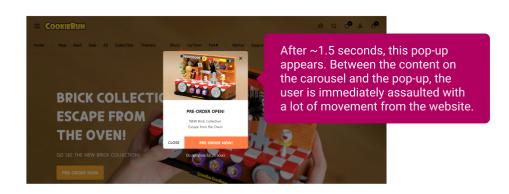
Initial landing page carousel image



On initial screen load, the carousel navigation buttons aren't immediately available like they are on the other images. The carousel controls load in at a different height each time on this image, so the user can't see the carousel controls, unless they scroll down.

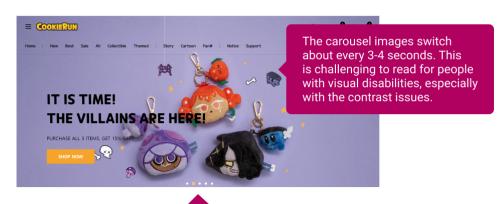
2

Initial landing page carousel image with popup



3

Second landing page carousel image



The carousel controls' click target area is small. There aren't any options to pause or adjust the timing too.



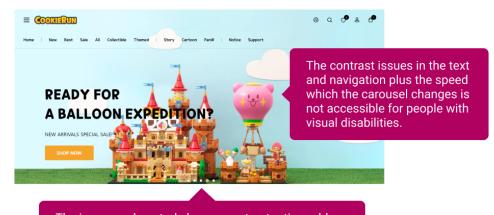
Third landing page carousel image



The image and controls have a contrast ratio problem.



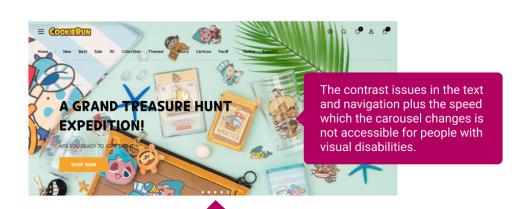
Fourth landing page carousel image



The image and controls have a contrast ratio problem.



Fifth landing page carousel image



The image and controls have a contrast ratio problem.

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2.4.7 Focus Visible - Level AA

Status: Does not pass

Description of Criteria: The WCAG 2.1 Guidelines for 2.4.7 Focus Visible requires that "any

keyboard operable user interface has a mode of operation where the keyboard focus indicator is

visible".

**Summary of Issues:** 

The Home page doesn't pass the Focus Visible criteria.

As an aside, the Home page is close to passing 2.4.3 Focus Order, which was

checked prior to 2.4.7 Focus Visible. The focus order is shown in the annotations

to confirm this. I'm mentioning the focus order here to first confirm that keyboard

navigation is set up on the Home page. However, there's no focus visible

indicator, which makes it challenging for people with visual disabilities (such as

low vision) to figure out where they are on the page without any indicator. If the

person wasn't using assistive technology, such as a screen reader that could

help read out the navigation landmarks, it would be especially challenging without

a focus visible indicator.

There's no visible focus indicator for each item that the user can tab to.

The navigation menu dropdown focus shows what item the user is selecting, but it's not

done well because the dropdown menu is cut off and the main menu disappears.

When tabbing through the page, the page's focus does follow the tabs, but because

there's no visible focus indicator, the user with visual disabilities would still have trouble

following along.

#### **Home**

## but first... 2.4.3 Focus Order

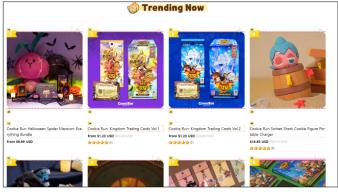


Overview of focus order.



The focus order for the home page follows a logical order, going from left to right and top to bottom. The user can use tab to move forward and shift+tab to move back.

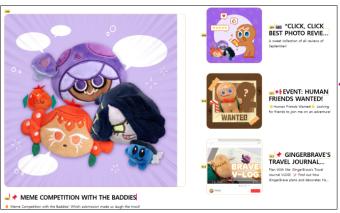
It navigates through the banner's CTA buttons but doesn't navigate the carousel's controls.



While I'm tabbing through the page, I can see the URL changing the product number, but I can't tell which product it is.

The page moves with the tabbing, but there's no focus visible indicator to show the user what they're looking at.

This format also follows left to right and top to bottom keyboard navigation.





The footer is included in the keyboard navigation.

#### **Home**



Landing screen

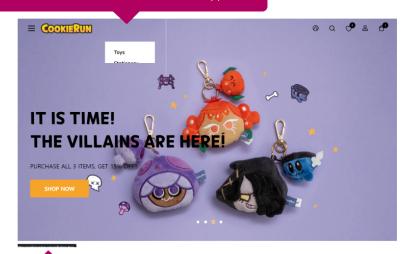


There's no visible focus indicator. The user only knows that the keyboard navigation is working because the URL changes when you tab or shift+tab. This isn't sufficient.

Tabbing into the nav menu does put focus on what dropdown item the user is selecting, but it's not done well. The user can't see the whole menu and the main nav bar disappears.

2

**Navigation Menu** 

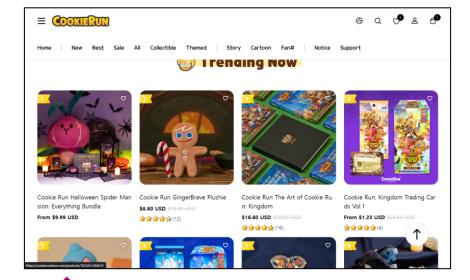


This is one of the only indicators of where the user isz progressing on the page, but it's confusing and unclear.

### Home

3

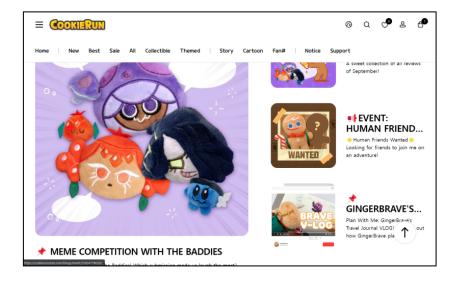
Trending Now section



This indicates that the user is tabbing through the products. It's an issue because it's not a visible focus indicator. The user still won't know which product it is that they're on (hint: it's the Cookie Run GingerBrave plushie).

4

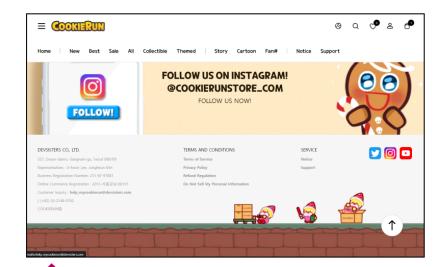
**Event section** 



## Home



Footer section



There's no focus indicator. The user only knows what section they're in because of this email link.

# Reviewed: Collections - New Page

For the Cookie Run Store Collections New page, the following WCAG 2.1 Criteria were evaluated:

- 2.3.3 Animation from interactions- Level AAA
  - o Status: Does not pass
- 1.4.11 No text Contrast Level AA
  - o Status: Does not pass
- 2.4.9 Link Purpose (Link only)
  - o Status: Close to passing

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1.4.11 No-text Contrast - Level AA

Status: Does not pass

**Description of Criteria:** The WCAG 2.1 Guidelines for Link purpose (Link only) requires that the visual presentation of the following have a contrast ratio of at least 3:1 against adjacent

color(s):

**User Interface Components** 

Visual information required to identify user interface components and states, except for inactive components or where the appearance of the component is determined by the user agent and not modified by the author;

**Graphical Objects** 

Parts of graphics required to understand the content, except when a particular presentation of graphics is essential to the information being conveyed.

**Summary of Issues:** 

On my product cards, there is a white heart button on the top right corner of the page for

users to "save" the product. It is an important interaction component. However, the color

contrast on most of them do not meet level A Standards. (Contrast ratio 1.21:1)

# 1.4.11: Non-text Contrast(Level AA)



Product card-Save button



\$45.99 USD

The "heart" button is for saving for users to save the product. However, the contrast ratio is only 1.21:1



30

2.3.3 Animation from interactions- Level AAA

Status: Does not pass

Description of Criteria: The WCAG 2.1 Guidelines for 2.2.1 Timing Adjustable require that

Motion animation triggered by interaction can be disabled, unless the animation is essential to

the functionality or the information being conveyed.

**Summary of Issues:** 

- When hovering over a product image on this page, the image would automatically

change immediately. This trigger cannot be disabled by the user. This animation is not

essential to the functionality since the user could view the second image when clicking

into the product detail page.

# 2.3.3: Animation from interactions (Level AAA)



When hover over each image, the iamge would immediately change. However, there is no way disable this animation.

2.4.9 Link Purpose(link only) - Level AAA

Status: Close to passing

**Description of Criteria:** The WCAG 2.1 Guidelines for Link purpose (Link only) requires that A mechanism is available to allow the purpose of each link to be identified from link text alone, except where the purpose of the link would be ambiguous to users in general.

#### **Summary of Issues:**

- Link purpose is ambiguous
  - The "heart" icon is an icon to save a product to the user's wishlist. However, there is no description of this button and it can be confusing for users to know what this button is for. An example of link purpose for an icon being successful would be having a text description below the icon and both of those being connected to the link.
- The product picture link passes the criteria because there's a text title description indicating what the product picture link is for.

# 2.4.9: Link Purpose(link only) - Level AAA



Product information card -stat rating- no link to the rating section



# Reviewed: Product Page

For the Cookie Run Store Product page, the following WCAG 2.1 Criteria were evaluated:

- 1.1.1 Non-text Content Level A
  - o Status: Does not pass
- 1.2.8 Multimedia Alternative (prerecorded) Level AAA
  - o Status: Does not pass
- 1.4.9 Images of Text Level AAA
  - Status: Does not pass

#### 1.1.1 Non-text Content - Level A

**Status:** Does not pass

**Description of Criteria:** The WCAG 2.1 Guidelines for 1.1.1 Non-text Content require that all non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below:

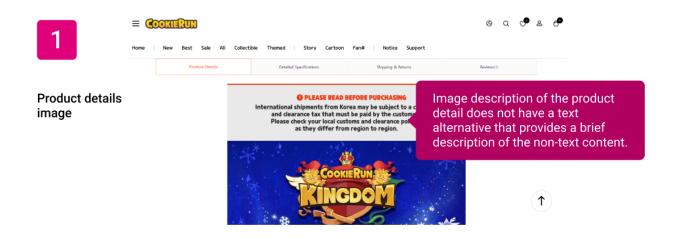
- Controls, Input: If non-text content is a control or accepts user input, then it has a name that describes its purpose
- **Time-Based Media:** If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content
- Test: If non-text content is a test or exercise that would be invalid if presented in text, then text alternatives at least provide descriptive identification of the non-text content
- Sensory: If non-text content is primarily intended to create a specific sensory
  experience, then text alternatives at least provide descriptive identification of the
  non-text content
- CAPTCHA: If the purpose of non-text content is to confirm that content is being accessed by a person rather than a computer, then text alternatives that identify and describe the purpose of the non-text content are provided, and alternative forms of CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities.
- Decoration, Formatting, Invisibl: If non-text content is pure decoration, is used only
  for visual formatting, or is not presented to users, then it is implemented in a way that it
  can be ignored by assistive technology

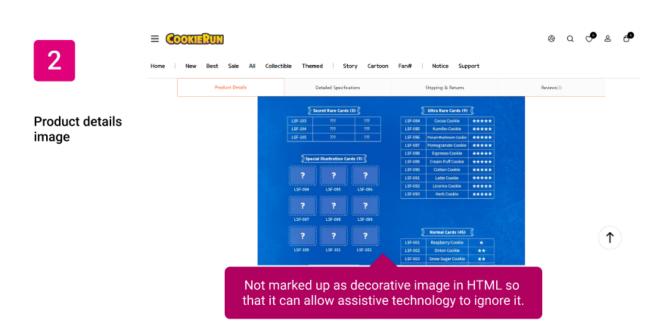
#### **Summary of Issues:**

- The Product page doesn't pass the Non-text Content criteria. The intent of this Success Criterion is to make information conveyed by non-text content accessible through the use of a text alternative.
- Text alternatives are a primary way for making information accessible because they can be rendered through any sensory modality (for example, visual, auditory or tactile) to match the needs of the user.
- A big issue is when the text is a part of the image and not embedded so that it can be easily accessible for users who use voice overs.
- The page does not provide text alternatives that allows the information to be rendered in a variety of ways by a variety of user agents. For example, a person who cannot see a picture can have the text alternative read aloud using synthesized speech.
- A person who cannot hear an audio file can have the text alternative displayed so that he or she can read it.
- Alternatively, the image is not marked up as a decorative image in HTML so that it can allow assistive technology to ignore it.

#### 1.1.1 Non-text Content - Level A

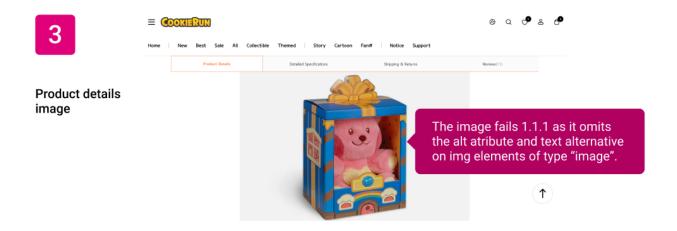
#### **Product**





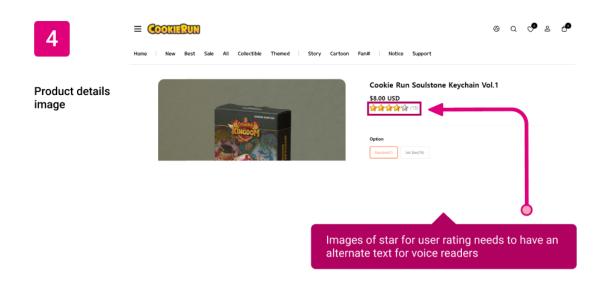
#### 1.1.1 Non-text Content - Level A

#### **Product**



#### 1.1.1 Non-text Content - Level A

#### **Product**



1.2.8 Multimedia Alternative (prerecorded) - Level AAA

Status: Does not pass

**Description of Criteria:** The WCAG 2.1 Guidelines for 1.2.8 Multimedia Alternative

(prerecorded) require an alternative for time-based media is provided for all prerecorded

synchronized media and for all prerecorded video-only media.

**Summary of Issues:** 

Overall, the Product page does not pass the Multimedia Alternative criteria, as it does

not provide an alternative for time-based media for video-only content.

The video-only media that also contains text, does not contain a text description

explaining its contents.

Could place a link to the alternative for time-based media immediately next to the

non-text content.

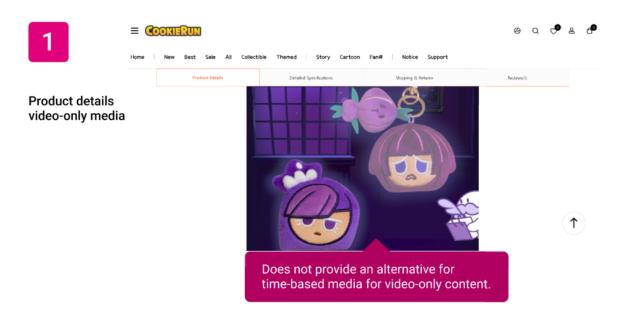
The image object in HTML does not have content that provides a brief description of

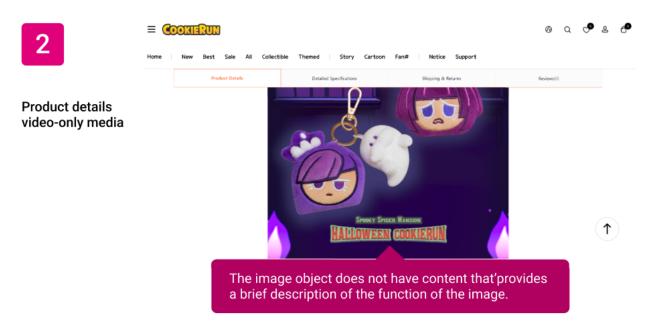
the function of the image. For example: Taking advantage of nesting object elements

to provide alternative representations of information.

# 1.2.8 Multimedia Alternative (prerecorded) - Level AAA

### **Product**





1.4.9 Images of Text - Level AAA

Status: Does not pass

Description of Criteria: The WCAG 2.1 Guidelines for 1.4.9 Images of Text (No Exception)

require images of text are only used for pure decoration or where a particular presentation of

text is essential to the information being conveyed.

**Summary of Issues:** 

- The product detail images contain too many words and information that are not

displayed through HTML form as opposed to their intention to serve as pure decorations.

The author's intent to brand the product but does not consider the accessibility of

reading.

### 1.4.9 Images of Text - Level AAA

#### **Product**

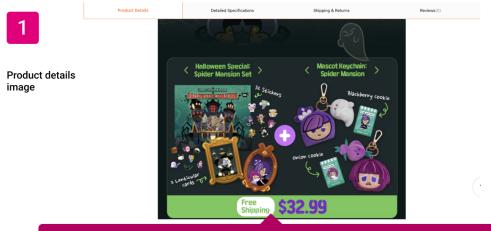


Image contains many texts that are not of particular meanings and can be displayed using HTML.



Same here with the dialogue that can be displayed using HTML but instead it showed up as an image.



# Redesigned Pages

# Redesigned: Home Page

#### Issues Identified from Criteria

- 1.4.3 Contrast (minimum) Level AA
  - Text and carousel background
  - Button text and button background color
  - Light gray text in product cards, sections, and footer
  - Yellow flag in product images
- 2.2.1 Timing Adjustable Level A
  - No carousel controls to pause/stop the slides
  - No timing adjustments
  - Less than 5 seconds per slide/image
- 2.4.7 Visible Focus Indicator Level AA
  - Lacking visible focus indicator

### **Summary of Changes**

- For the carousel to be accessible, I've redesigned the following, according to the <u>WCAG</u> guide for carousels:
  - (2.2.1) Added Carousel Timing Controls in the Accessibility panel
  - (1.4.3) Increased contrast between background and navigation menu, as well as background, buttons, and text

- (2.2.1) Provided clear carousel control options which let the user pause and play the carousel animations
- The carousel controls are at a consistent height
- (2.2.1) The carousel uses semantic structure so that screen readers can pick it
   up, and the slide transitions are by default at least 5 seconds
- (2.4.7) The visible focus indicator clearly indicates where in the carousel it is, and it can also navigate through the carousel
- For the whole page, I've designed and redesigned the following:
  - Edited the navigation menu's icons to filled icons, so that they are more visually distinct than outlined icons.
  - Edited the navigation menu's icons to include text of what each icon represents.
  - (1.4.3) Increased color contrast between text and background, as well as icons
     and background
  - Added an accessibility icon in the navigation menu, which opens an Accessibility panel
  - (2.4.7) Added visible focus indicators; and when the user keyboard navigates
    through the page, the page should scroll to follow where the visible focus
    indicator is at and center that point.

Full redesign screens are available in the Appendices and on Figma.

#### **Home**

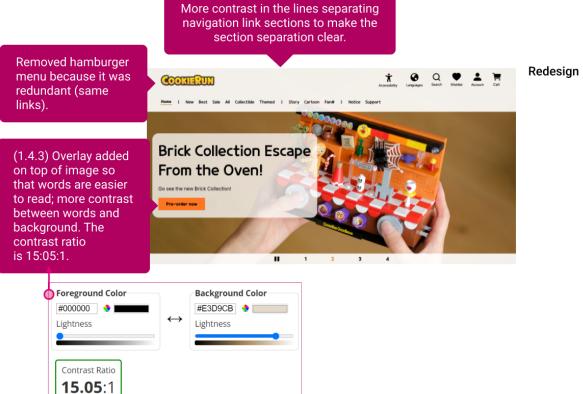


Initial landing page carousel image



Original

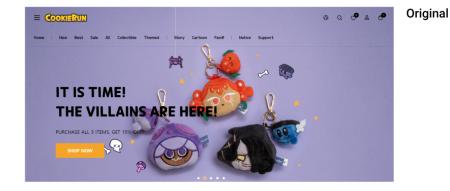
Note: I'll be using the different carousel images in the following Home screen examples to showcase the improvement in reading for all images. (One of the images on the Home screen changed during the evaluation of this website.)

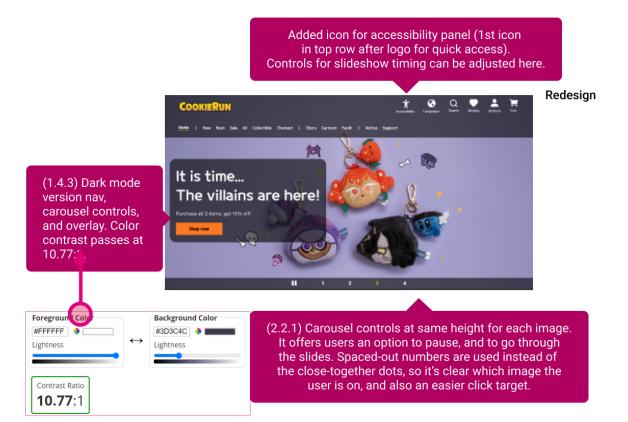


#### **Home**



Initial landing page carousel image

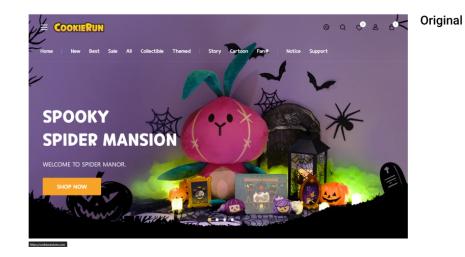




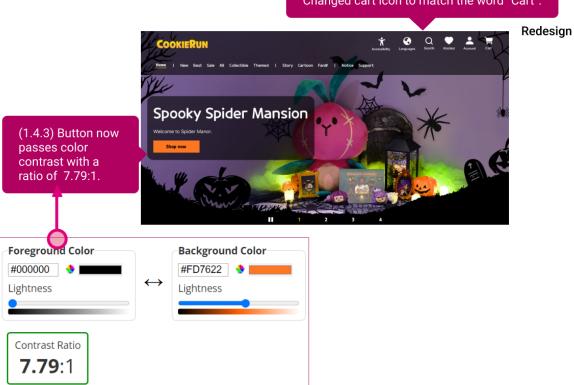
#### **Home**



Initial landing page carousel image



Added icon name for better accessibility. Changed cart icon to match the word "Cart".



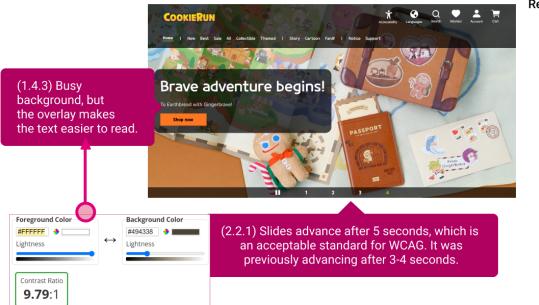
#### **Home**



Initial landing page carousel image



Original

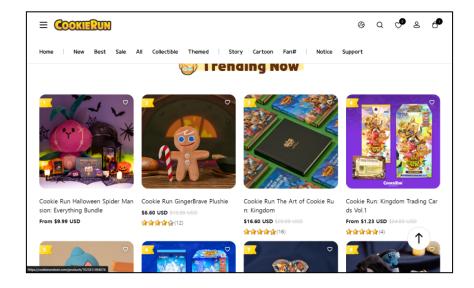


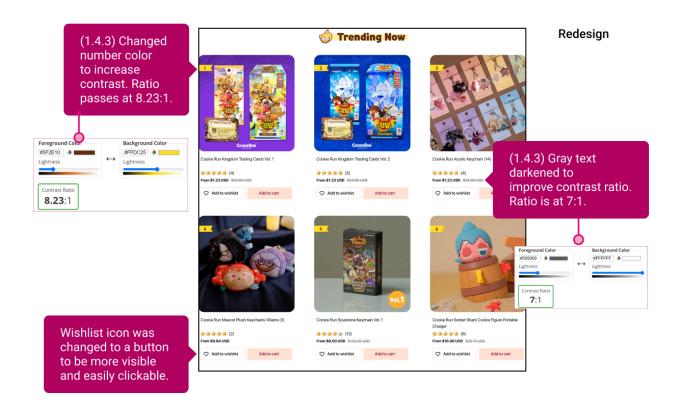
Redesign

#### **Home**

2

Trending Now Section

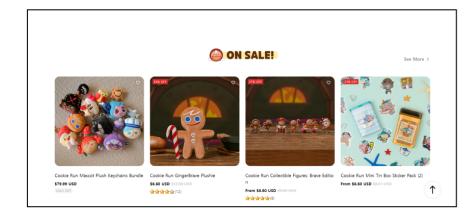


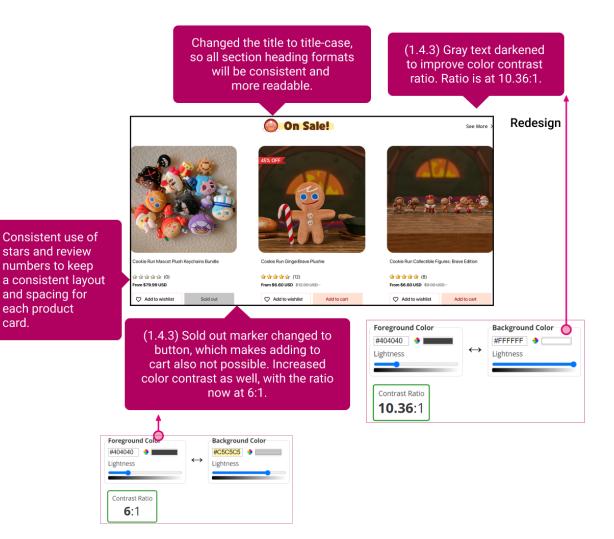


#### Home

3

On Sale Section





#### Home



Footer

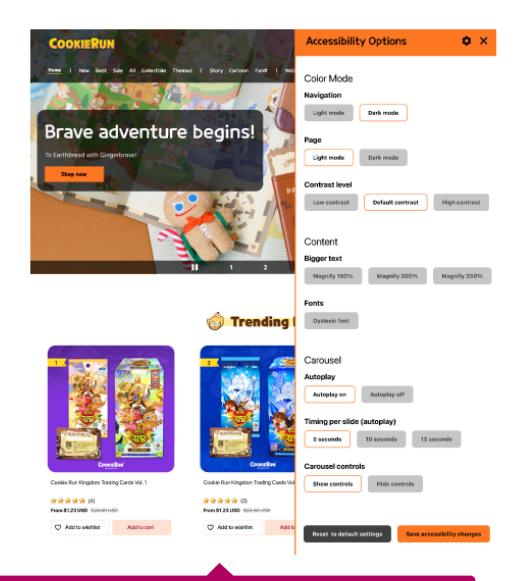




#### **Home**



Accessibility Panel



(1.4.3 and 2.2.1) The Accessibility panel slides out when the user clicks/keyboard navigates to the Accessibility icon. The Accessibility panel will include options which will make the website more accessible for users. As MVP, the Accessibility panel currently includes options for Color Mode, Content, and Carousel. In the future, more options could be added.

#### **Home**

5

Accessibility Panel

(1.4.3) Color Mode covers the navigation's **Accessibility Options** overlays, overall page color, and \* × contrast levels. Selected option has the orange stroke and white background. Color Mode There could be an option to remove the overlays, but because CookieRun uses Navigation busy backgrounds, I don't think the text Dark mode Light mode will be accessible or readable, so for now, I haven't included the option. Page Light mode Contrast level Default contrast High contrast Low contrast 200% is the WCAG standard, but this Content panel has options for 150% and 250% Bigger text so users can have a level of flexibility. Magnify 150% Magnify 200% Magnify 250% Fonts By default, CookieRun uses SF Pro for its body text, which is accessible. This font Dyslexic font section provides an option for fonts that are easier to read for people with dyslexia. Carousel Autoplay Autoplay off (2.2.1) Carousel controls are available below the Autoplay on images themselves. The Accessibility panel gives additional options to control the timing Timing per slide (autoplay) and other options for the carousel. 10 seconds 5 seconds 15 seconds Carousel controls Show controls Hide controls Save accessibility changes

#### **Home**

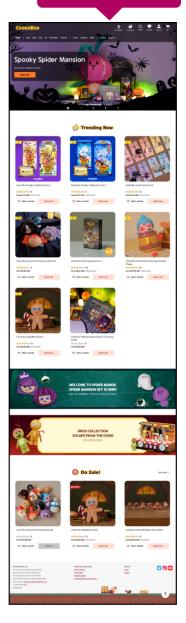


Different color mode combinations for nav and page

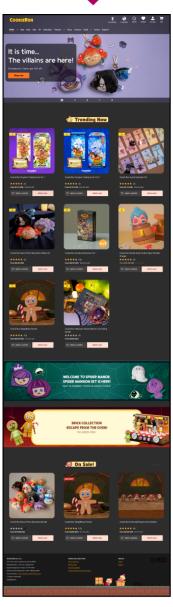
Dark mode nav with light mode page

Full light mode

Full dark mode



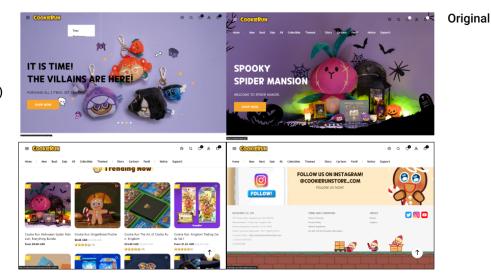




#### **Home**



Visible focus indicators (2.4.7)



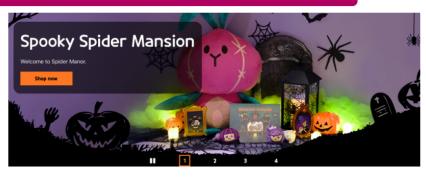
Below are examples of visible focus indicators on different parts of the page.





Dropdown menu options expand below. The user can navigate through them or skip them using keyboard controls. When they're laid out horizontally below the main link, they won't block the content on the carousel either.

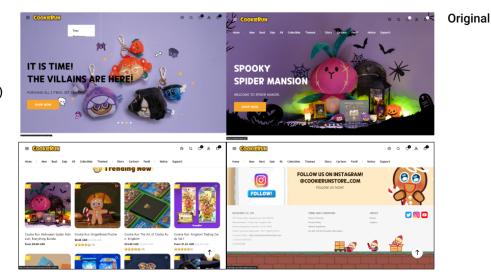
The arrow indicates that they fall under "All".



#### Home

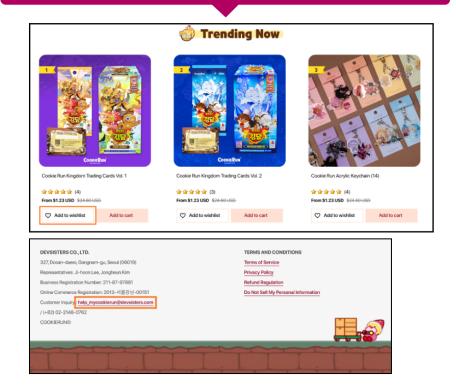


Visible focus indicators (2.4.7)



Redesign

Below are examples of visible focus indicators on different parts of the page.



### Redesigned: Collections - New Page

#### Issues Identified from Criteria

- 2.3.3 Animation from interactions- Level AAA
  - Auto Animation- no way to pause animation
- 1.4.11 No text Contrast Level AA
  - "Save" button is small and have poor color contrast with the background image
- 2.4.9 Link Purpose (Link only)
  - "Save" button is only represented by a heart image. No text description of what this link is for

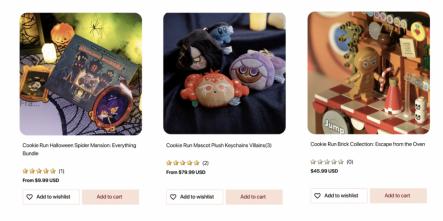
#### **Summary of Changes**

- (2.3.3) Removed the animation. When hovering over the image, there will be an
  animation showing another product image. If the users want to see more product
  images, they will go to the product detail page.
- (1.4.11) Moved the "save" icon down with better color contrast
- (2.4.9) The "save" button has a text description to tell the user exactly what the button is for.

Full redesign screens are available in the Appendices and on Figma.

# 2.3.3: Animation from interactions(Level AAA)

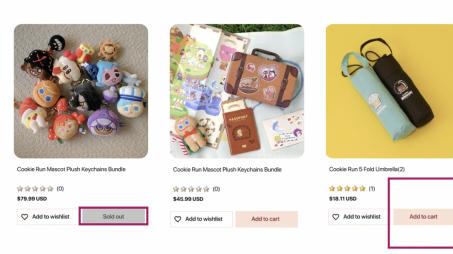




When hovering over each image, the image will not change. Users can click into the product detail page to see more product images.

# 1.4.11: Non-text Contrast(Level AA)





#### **Contrast Checker**

<u>Home</u> > <u>Resources</u> > Contrast Checker



Instead of plus save button on the top right corner of the image, move the button down next to add to cart to provide better text contrast, visibility, and clickability.

# 2.4.9: Link Purpose(link only) - Level AAA



Product information card - Link purpose



Link to the heart icon is cleared labelled with "Add to wishlist" to indicate what this link if for

### Redesigned: Product Page

#### Issues Identified from Criteria

- 1.1.1 Non-text Content Level A
  - Product detail images do not contain any text alternatives
     for the non-text content like user ratings, which is inaccessible to screen readers.
- 1.2.8 Multimedia Alternative (prerecorded) Level AAA
  - Videos in product detail section does not have any text explanation in HTML form.
- 1.4.9 Images of Text (No Exception) Level AAA
  - Images in the product detail section contain too many texts that are not displayed in HTML form. Important information like "read before purchasing" is also displayed as an image.

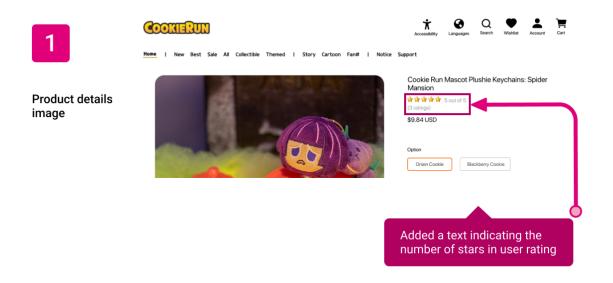
#### **Summary of Changes**

- (1.1.1) Displayed text for product detail images that do not contain any text alternatives for the non-text content like user ratings, which is now accessible to screen readers.
- (1.2.8) Added a description for multimedia-like videos, in HTML form to display alternative forms of information.
- (1.4.9) Extracted all essential texts in the image in HTML form utilizing different font form to indicate multiple types of information. Made "read before purchasing" more eye-catching with HTML display.

Full redesign screens are available in the Appendices and on Figma.

#### 1.1.1 Non-text Content - Level A

#### **Product**



### 1.4.9 Images of Text - Level AAA

### **Product**



3

# Product details image



Halloween Special: Spider Mansion Set (32 Stickers & 2 Lenticular cards)
AND
Mascot Keychain: Spider Mansion Set (Illackberry coockie & Onion cookie)
FOR \$32.99 with Free Shipping



"Such a shame.

Your Visit was too short. Please visit again, young neighbor."

\*Note: This special promotion ends when all prepared supplies are sold out and will be sold at regular prices afterward.

The "Everything Bundle" offer will end until supplies last and will not be restocked afterward.

 $\label{eq:made} \mbox{Made essential texts in the image HTML readable along with different text form}$ 

# 1.2.8 Multimedia Alternative (prerecorded) - Level AAA

#### **Product**



Product details image



Included text description in HTML for an alternate form of information display to multimedia like video

Welcome to Spider Manor.

A Halloween special!

Introducing, Cookie Run: Spider Mansion Everything Bundle!
Onion Rabbit Toy is included!
Only selling 100 sets! Don't miss out on this awesome opportunity!

You would not want to miss such a perfect chance, would you?

Please visit again, young neighbor.

### References

Web Content Accessibility Guidelines (WCAG) Overview

https://www.w3.org/WAI/intro/wcag

Web Content Accessibility Guidelines 2.1

https://www.w3.org/TR/WCAG21/

• Techniques for WCAG 2.1

https://www.w3.org/WAI/WCAG21/Techniques/

- 1.4.3 Contrast (minimum)
  - Providing a control with a sufficient contrast ratio that allows users to switch to a presentation that uses sufficient contrast
  - Not specifying background color, not specifying text color, and not using technology features that change those defaults
- 2.4.3 Timing Adjustable
  - Allowing the content to be paused and restarted from where it was paused
  - Providing a way for the user to turn the time limit off

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Accessibility Evaluation Resources

http://www.w3.org/WAI/eval/

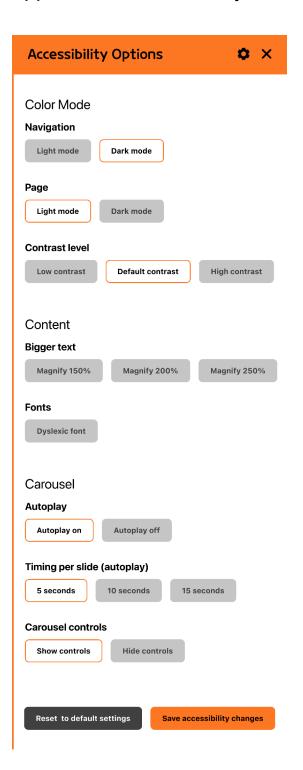
Web Accessibility Evaluation Tools List

https://www.w3.org/WAI/ER/tools/

Web Accessibility Carousel Tutorial

# **Appendices**

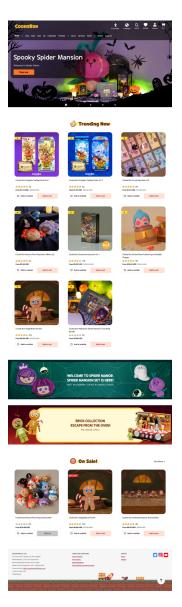
# Appendix A: Accessibility Panel



# Appendix B: Redesigned Home Screens

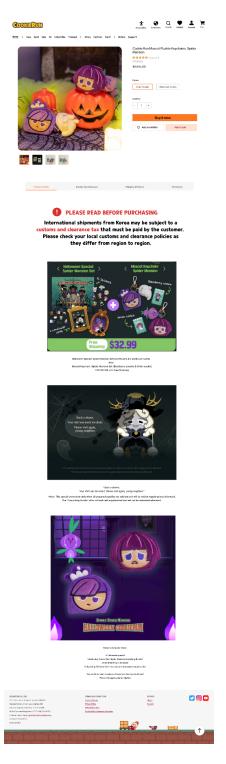
#### Cookie Run Home - Figma Link

Additional color mode screens available on Figma.



# Appendix C: Redesigned Product Screen

#### Cookie Run Product - Figma Link



# Appendix D: Redesigned Collections - New Screen

#### Cookie Run Collections New - Figma Link

