

MIDTERM CONCEPT

Colour Accessibility

I am creating a single page application using Javascript, jQuery and Handlebars to raise awareness about the importance of colour contrast in web accessibility. According to the W3C, designers need to make it easier for users to read content by providing adequate colour contrast between background and foreground.



I created a JSON file with various colour combinations, their contrast ratios out of 10, and their pass/fail values according to the WCAG. The text and background colours of each combination is pulled directly from the JSON. Next, I plan to replace my JSON file with the WebAIM API.



My targeted audience are designers, developers, or anyone creating in the digital space. My goal is to educate users about the importance of adequate colour contrast, in the hopes that they will consider incorporating more web accessible content in their future projects.

CONCEPT

Color Contrast Checker

[Home](#) > [Resources](#) > Color Contrast Checker

Foreground Color
#00FDFF

Lightness


Background Color
#0433FF

Lightness


Contrast Ratio
5.64:1
[permalink](#)

Normal Text

WCAG AA: **Pass**

WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**

WCAG AAA: **Pass**

The five boxing wizards jump quickly.

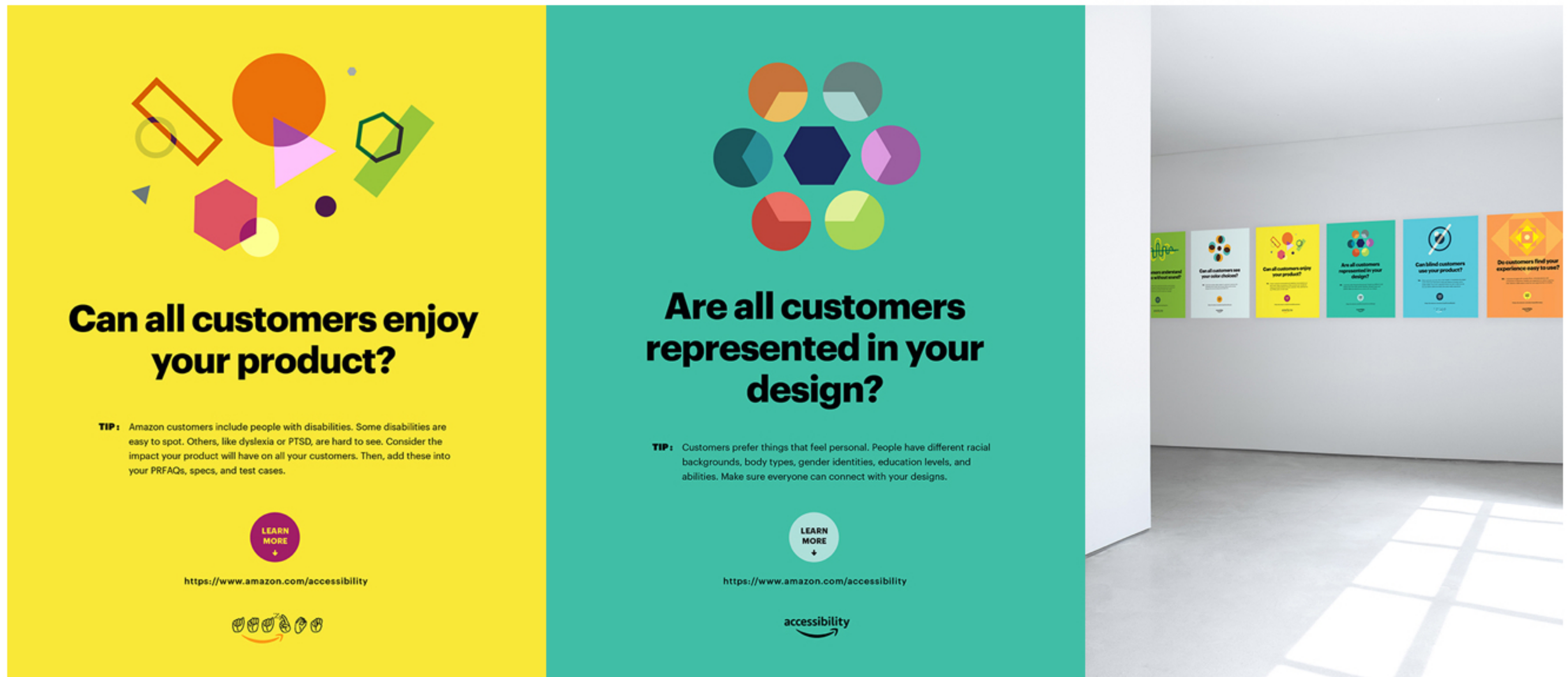
Graphical Objects and User Interface Components

WCAG AA: **Pass**

Text Input

<https://webaim.org/resources/contrastchecker/>

PRECEDENTS



<https://www.invisionapp.com/inside-design/promoting-accessibility-amazon/>

PRECEDENTS



An accessibility assessment of coloured text on coloured backgrounds.

Is your web content visible to those with colour blindness and low vision? Find out the contrast rating out of 10 for various text/background colour combinations, and see whether they pass or fail the **WCAG** guidelines.

Cyan and Blue

Contrast rating
5.64

Large text

WCAG AA:	WCAG AAA:
pass	pass

Normal text

WCAG AA:	WCAG AAA:
pass	fail

Orange and Purple

Contrast rating
3.26

Large text

WCAG AA:	WCAG AAA:
pass	fail

Normal text

WCAG AA:	WCAG AAA:
fail	fail

Yellow and Red

Contrast rating
3.45

Large text

WCAG AA:	WCAG AAA:
pass	fail

Normal text

WCAG AA:	WCAG AAA:
fail	fail

Teal and Maroon

Contrast rating
7.31

Large text

WCAG AA:	WCAG AAA:
pass	pass

Normal text

WCAG AA:	WCAG AAA:
pass	pass

Pink and Lime

Contrast rating
3.40

Large text

WCAG AA:	WCAG AAA:
pass	fail

Normal text

WCAG AA:	WCAG AAA:
fail	fail

Navy and Lilac

Contrast rating
5.47

Large text

WCAG AA:	WCAG AAA:
pass	pass

Normal text

WCAG AA:	WCAG AAA:
pass	fail

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Contrast rating
5.47

Large text

WCAG AA:	WCAG AAA:
pass	pass

Normal text

WCAG AA:	WCAG AAA:
pass	fail

Purple and Baby Blue

Contrast rating
4.59

Large text

WCAG AA:	WCAG AAA:
pass	pass

Brown and Sunflower

Contrast rating
5.87

Large text

WCAG AA:	WCAG AAA:
pass	pass

PROTOTYPE