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Accessible design for non-designers

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Hello, I'm Valery Marier. I'm a digital designer living in the Toronto area. I am a recent graduate of the York/Sheridan Bachelors of Design and my accessible design work has been featured nationally.

Have you use any assistive technologies this past week?



Whether we think about it or not, we all benefit from accessible design practices





1 Evaluating typography for Accessible design

Legibility

character-specific factors

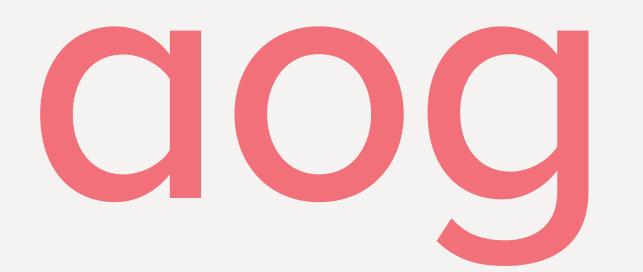
- typeface
- type size
- letter spacing
- text colour
- type width
- etc...

Readability

text-specific factors

- alignment
- layout
- margins
- materials & surfaces
- paragraph line length
- etc...

Similar characters







Proxima Nova Bonnechere HT Bitter

Mirrors

dbap abap abap

Proxima Nova Vulf Sans HT Bitter

Imposters

URW Bodoni

Helvetica Neue

Times New Roman

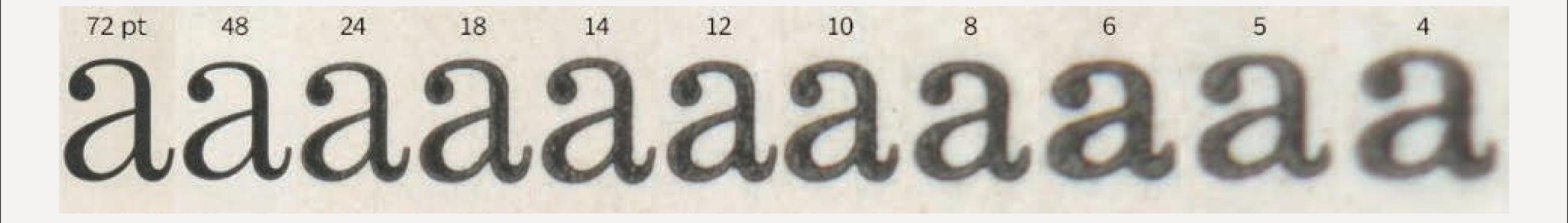
Letter optics

Hello Hello Hello

Witchy Bonnechere Pilowlava

Letter optics

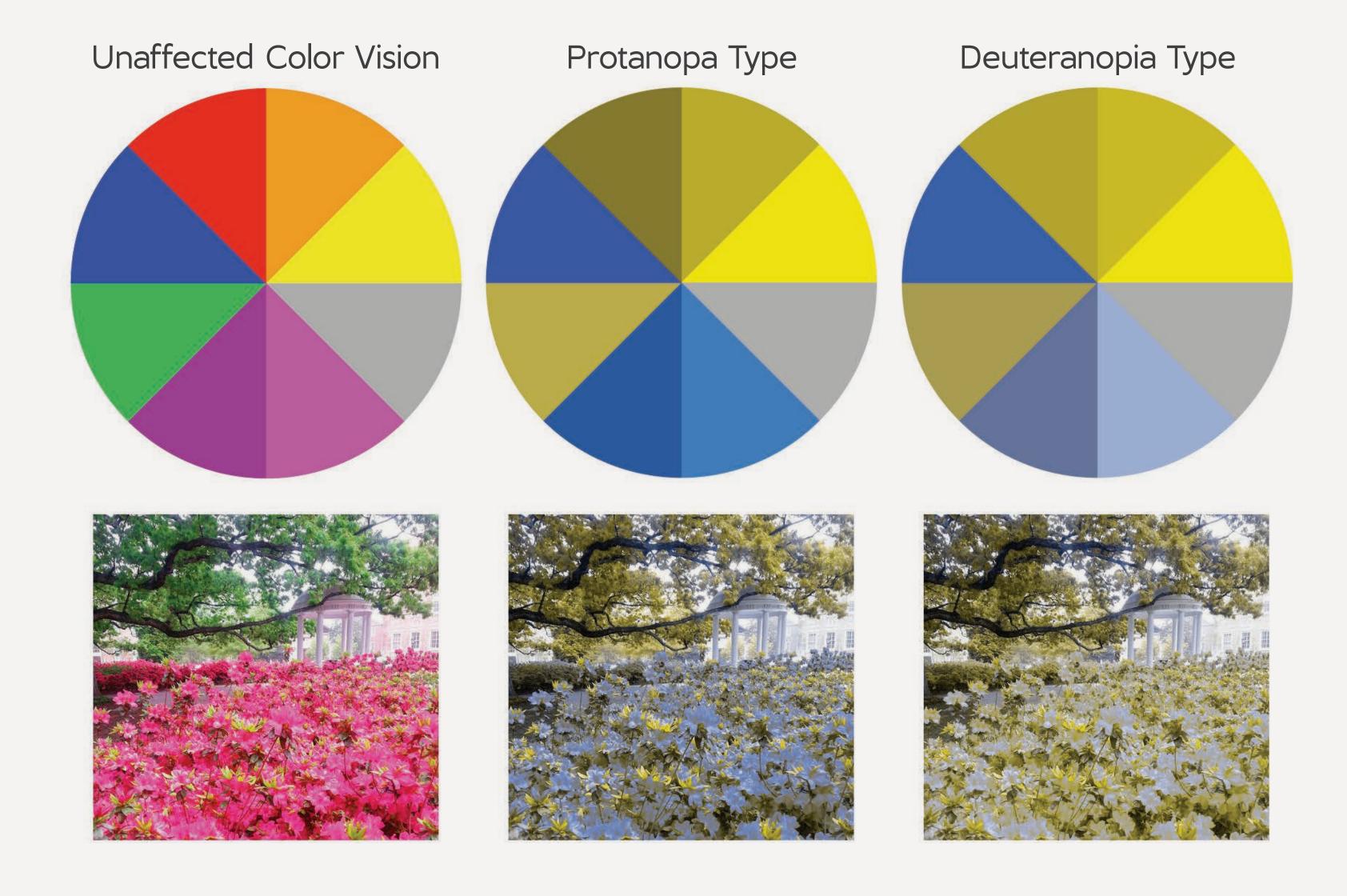
Hello



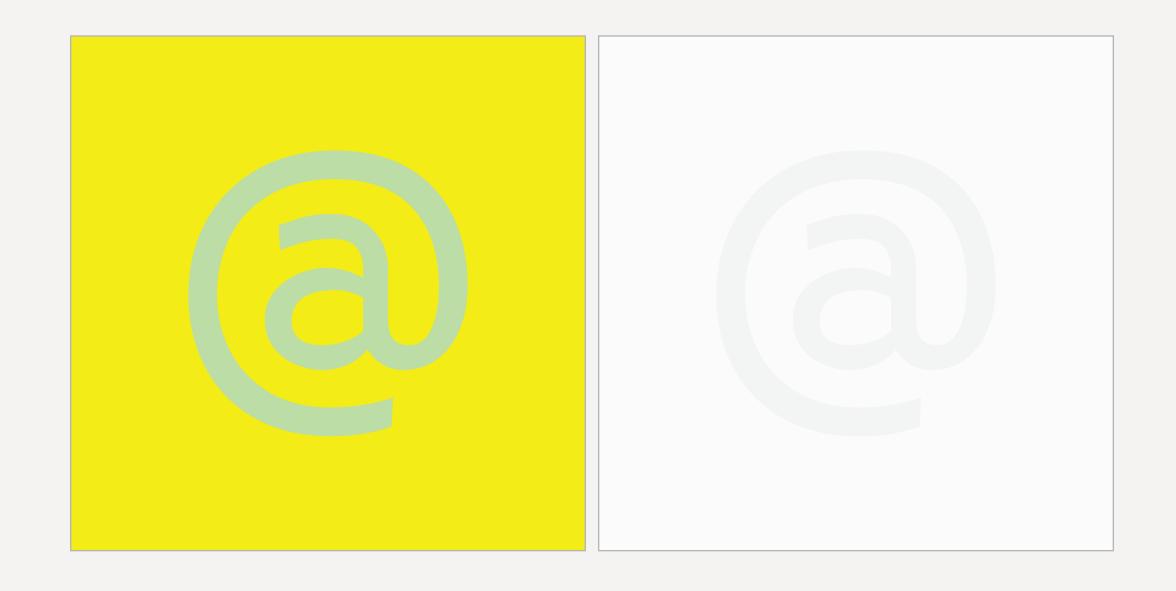
Before computers, specific fonts would be designed for each size to improve the legibility of text.

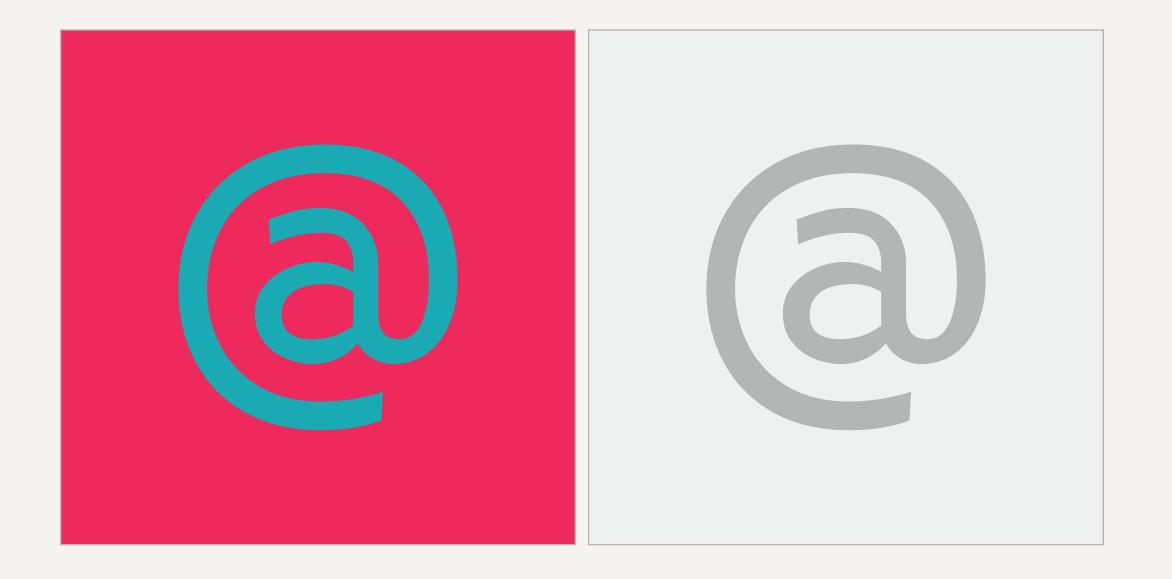
2 Colour considerations for your projects

If it doesn't work in black and white, then it doesn't work period.



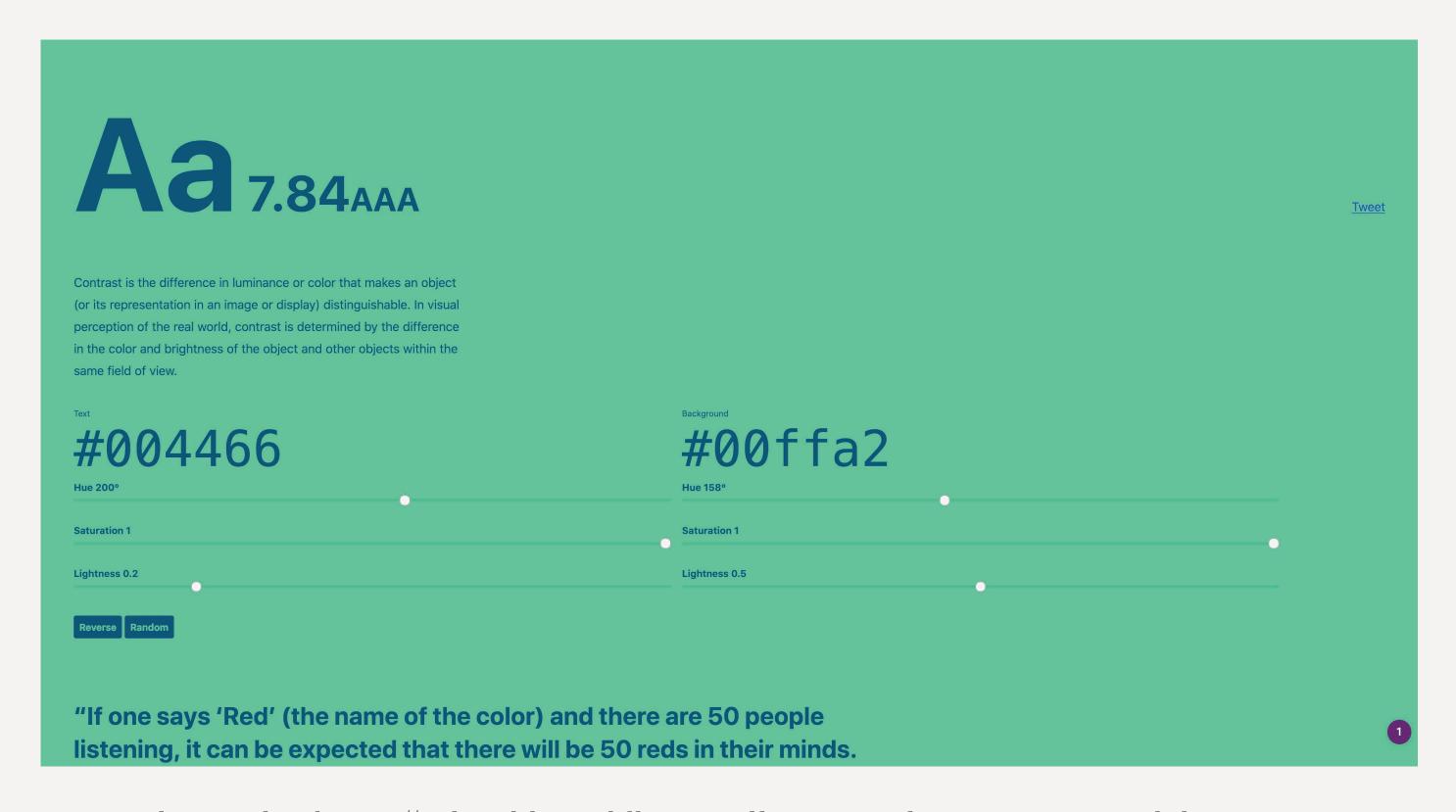
Bringing contrast to light





How do I know if two colours have enough of a contrast?

Plugins and tools!



This tool is https://colorable.jxnblk.com all you need to use it is a web browser!

3 Semantic markup and alternate text

With HTML5 we are able to write websites using semantic markup. What this means is that we can write a website that is machine readable and make it easier for screen readers to parse.

Semantic structures provide us with tags that give us the purpose of each element, the reading order of the content, the hierarchical structure of the content, and of course the content itself.

The most common semantic structure is the paragraph tag , but there are also other useful tags like <nav> , <article>, <section> and <figure> that are still often underappreciated and under used.

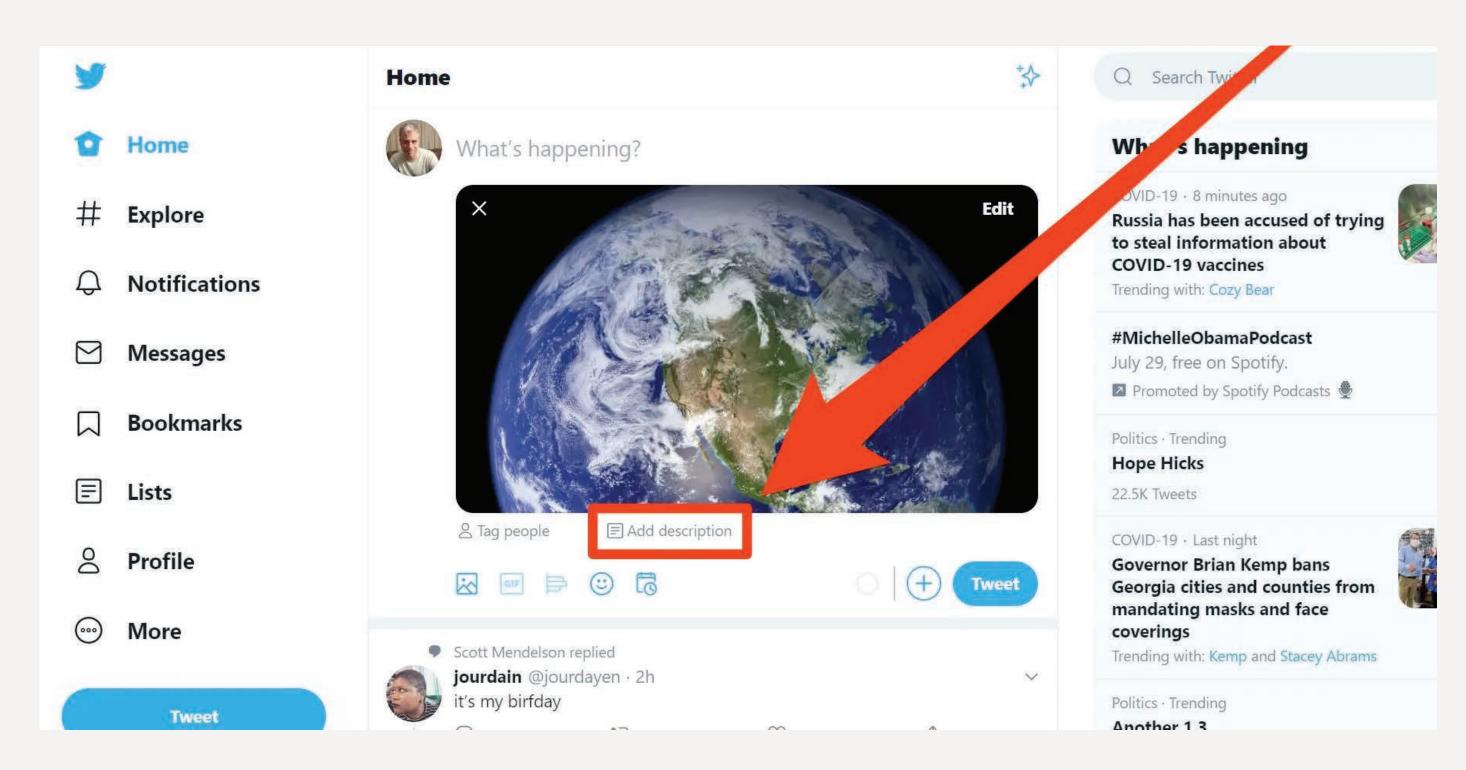
Another important aspect is the ARIA label. Basically, if you have an element that is not using a semantic tag, but is necessary to the websites function, you can add the aria-label=' modifier to the tag to describe what the element is.

Avoid hacked solutions, because they are often not very user-friendly.

Alternate text is how we describe images in a way that machines can understand.

Good alternate text is functional, relevant, and written with economy. It should describe the image enough that the reader can understand its purpose, but not enough that the reader is stuck listening to the text for five minutes.

Adding alternate text on social media is often just one click away!



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Some Helpful Resources

- Colourable (https://colorable.jxnblk.com) is a website that lets you see the amount of contrast between two colours
- The A11y Project (https://www.a11yproject.com/)
- The RGD AccessAbility 2 Handbook (https://www.rgd.ca/resources/accessibility/access)
- Letter and symbol misrecognition in highly legible typefaces (https://typography.guru/journal/letters-symbols-misrecognition/)
- The ethical design manifesto (https://ind.ie/ethical-design/)
- The W3 Web Accessibility Initiative (https://www.w3.org/WAI/)
- Acessibility for Everyone by Laura Kalbag (https://abookapart.com/products/accessibility-for-everyone)
- The WAVE Web Accessibility Evaluation Tool (https://wave.webaim.org/)