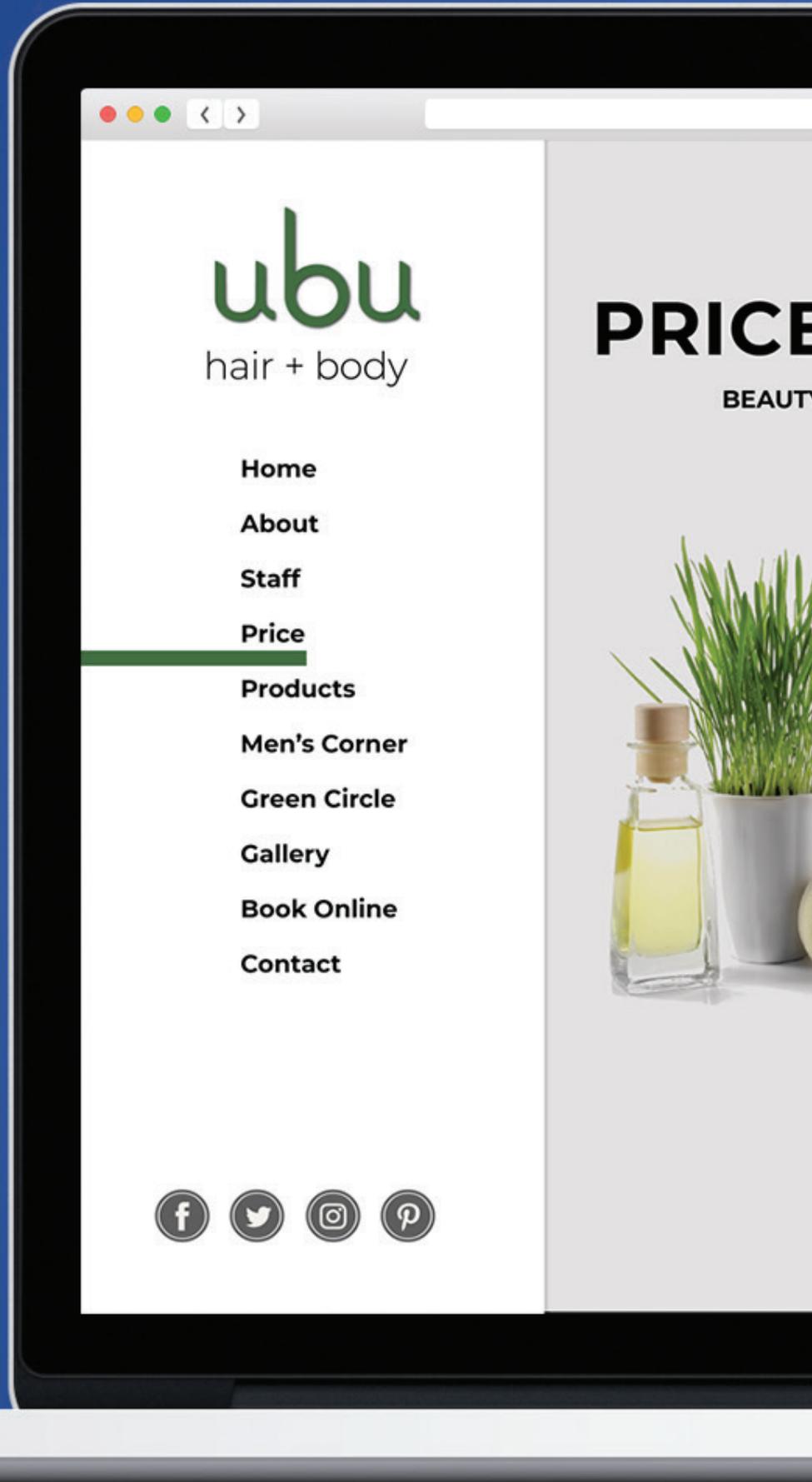


Accessibility Design

Project 2
Daniel C



Project Scoop

Accessible and universal design is of the utmost importance as we continue to move towards a culture of greater inclusiveness. You could redesign the graphics for a current website that is not accessible. The possibilities are open and endless. Ultimately you need to design a solution that takes into consideration the RGD standards, as well as AODA compliance. You will need to write a short essay explaining how your design is considered accessible/universal and why it is a beneficial design or redesign.

What is Web Accessibility

Web accessibility means that websites, tools, and technologies are designed and developed so that people with disabilities can use them. More specifically, people can:

perceive, understand, navigate, and interact with the Web
contribute to the Web.

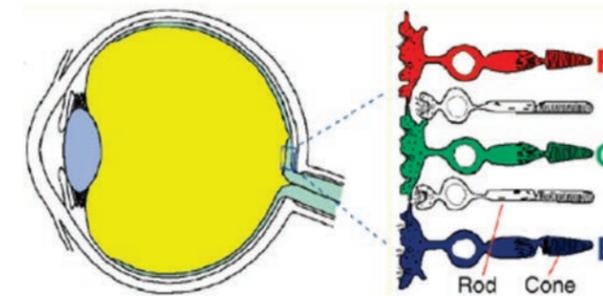
Accessibility Design

RDG Guide

- No information should be conveyed through non-text content alone. People who can't see images and other visual elements must have text alternatives ("alt text") that can be converted via software into speech, large print, Braille, symbols or
- Ensure that web pages and interface elements are intuitively predictable in how they appear and operate.
- Design consistent interfaces that immediately indicate where users are on the site, what they can do there and what comes next
- Present verbal content in the plainest possible language, even – indeed especially – when tackling complex topics
- Provide ways to help all users navigate, find content and understand where they are. Use clear titles, consistent mechanisms and orientation clues (e.g., "Step 3 of 4").

What is colorblind?

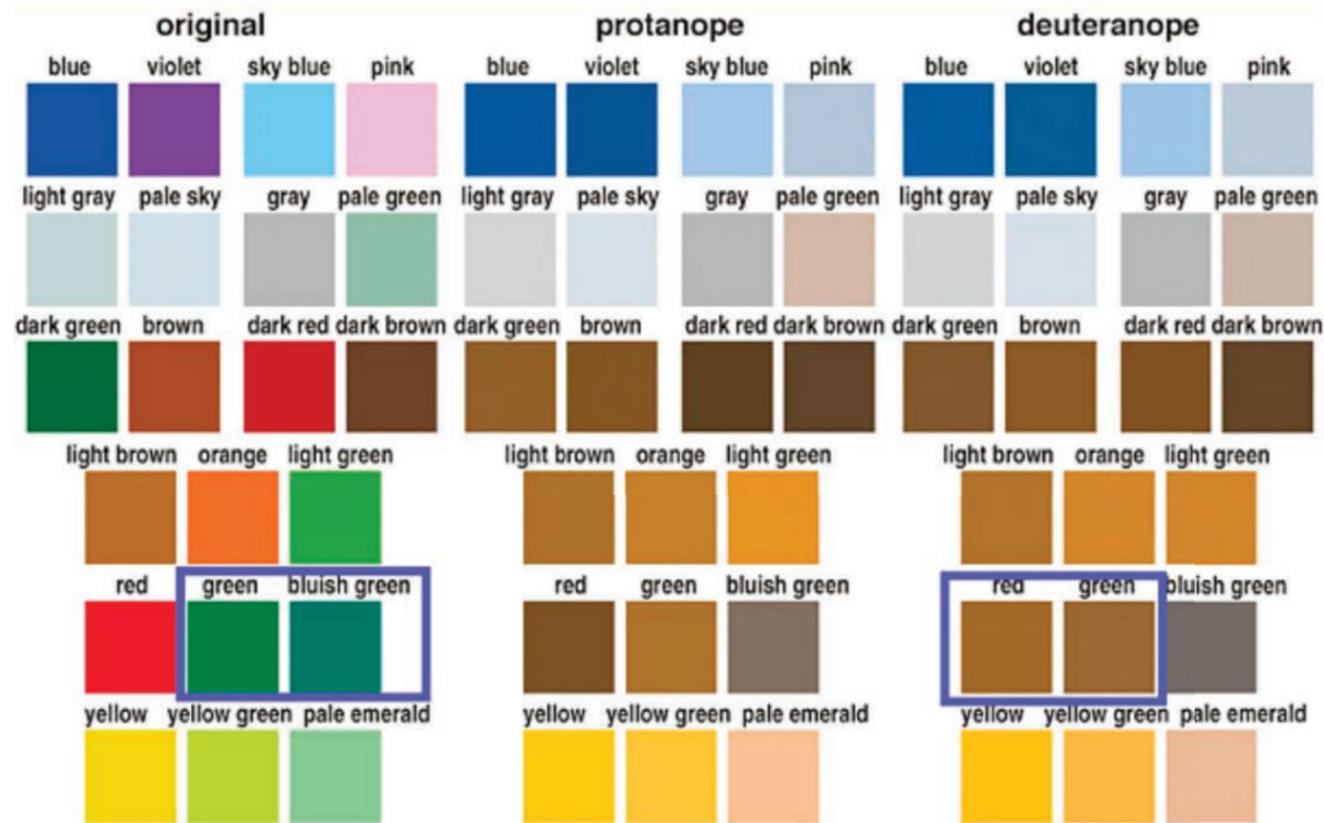
The human eye has three types of cone cells. These cells express different types of opsin genes, which are sensitive mainly to red, green and blue, respectively. Colorblindness is the situation where the function of one of these opsins are lost, or perturbed.



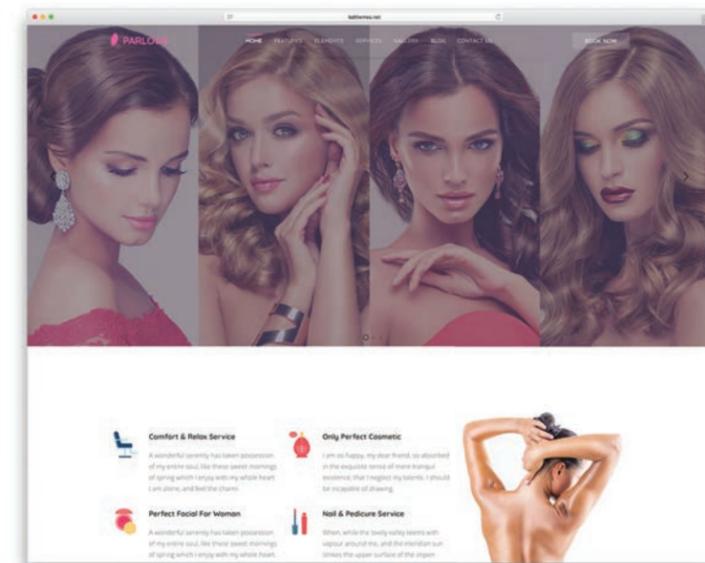
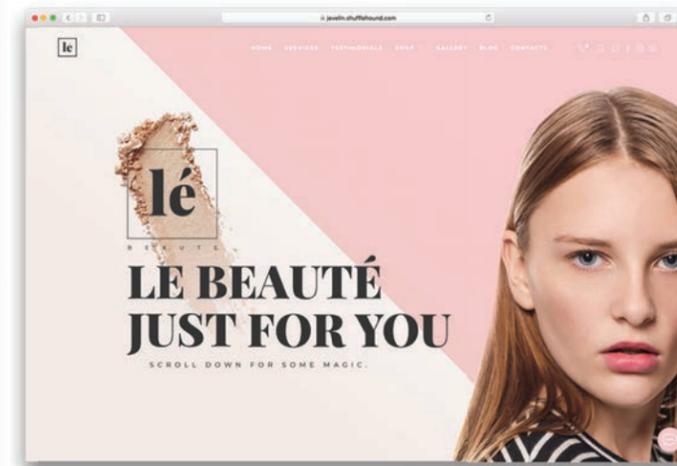
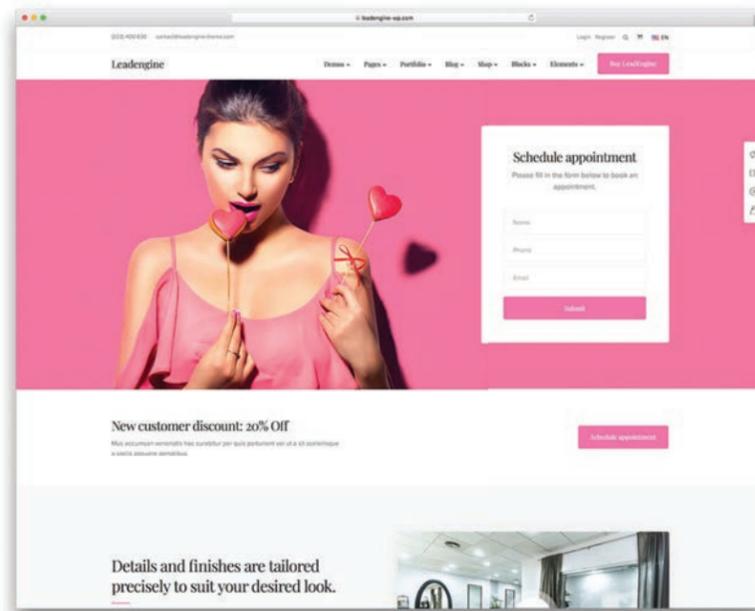
Colours

4) Caution when using red.

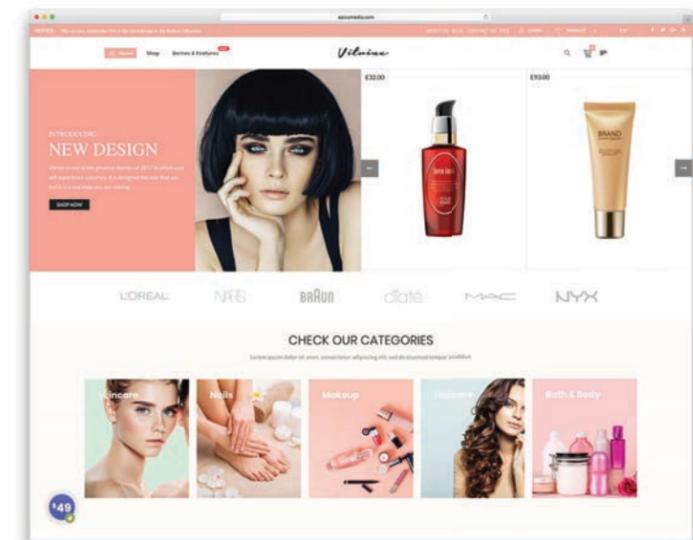
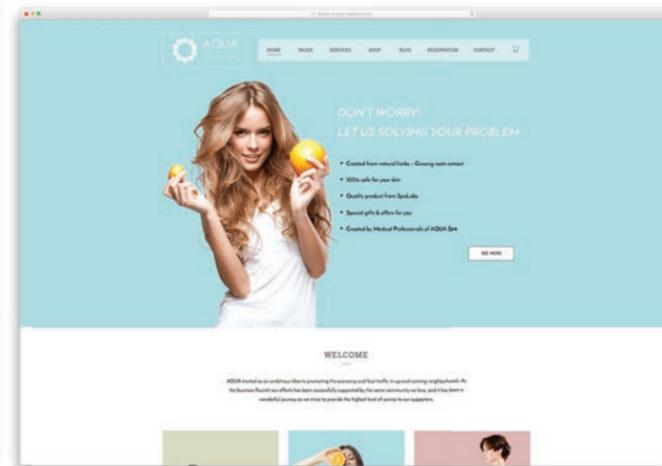
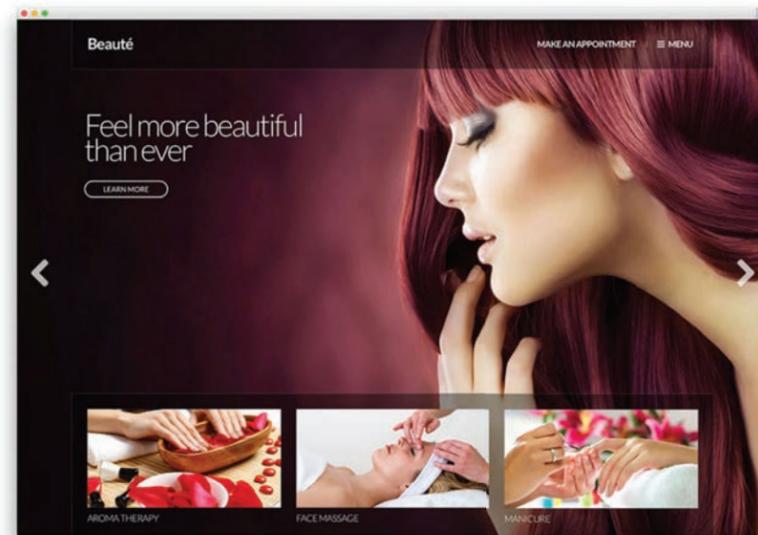
For non-colorblind people, red is the bright and vivid color. But for colorblinds, it is as dull as blue or dark green. Especially for protanopes, who cannot detect long wavelength of red light, dark red appears almost as black. Thus, avoid using red characters on black backgrounds, including blackboards. Note that black text and red text look the same for protanopes. Colorblinds people, however, still see certain ranges of reds as bright and vivid colors. Instead of pure dark red (RGB=100%, 0%, 0% or #FF.) , please use vermilion (yellowish red with shorted wavelength: RGB=100%,32%,0% or #FF2000), or light red (mixed with white: RGB=100%,8%,8% or #FF1414).



Concepts



Concepts



Type

TestxX TestxX

Montserrat x high is visually larger than Times New Roman.

Montserrat

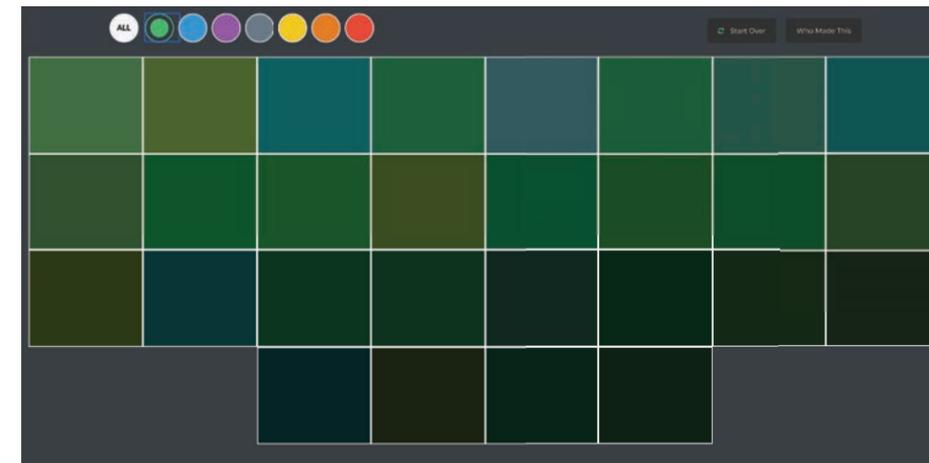
Times New Roman



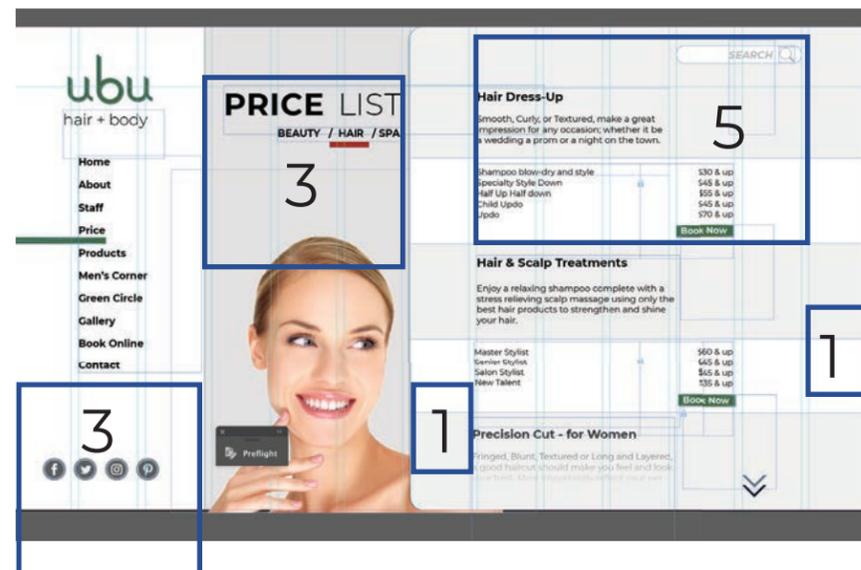
COLOR SAFE

Empowering designers with beautiful and accessible color palettes based on WCAG Guidelines of text and background contrast ratios.

Colors were selected based from Accessible text colors generated with WCAG Guidelines recommend contrast ratio of 4.5 for small text or 3 for large text.



GRID Layout



13 Column Grid

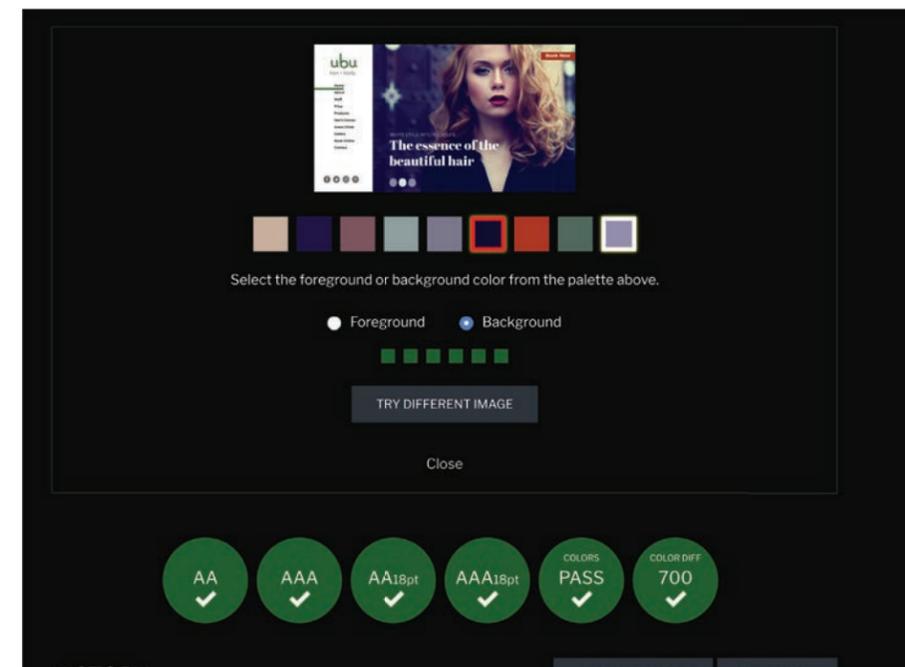
The Golden Ratio is also known as the divine proportion. In mathematics and the arts, two quantities are in the Golden Ratio if the ratio of the sum of the quantities to the larger quantity is equal to the ratio of the larger quantity to the smaller one. Also In mathematics the Fibonacci Sequence are 0 and 1, and each subsequent number is the sum of the previous two: 1, 1, 2, 3, 5, 8, 13.....

Contrast Checker

This tool is built for designers and developers to test color contrast compliance with the Web Content Accessibility Guidelines (WCAG) as set forth by the World Wide Web Consortium (W3C). These calculations are based on the formulas specified by the W3C.

The Site passed all requirements.

<https://contrastchecker.com/about/>



Contrast Checker

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Select the foreground or background color from the palette above.

Foreground Background

TRY DIFFERENT IMAGE

Close

AA ✓ AAA ✓ AA18pt ✓ AAA18pt ✓ COLORS PASS ✓ COLOR DIFF 555 ✓

ubu ABOUT US

Select the foreground or background color from the palette above.

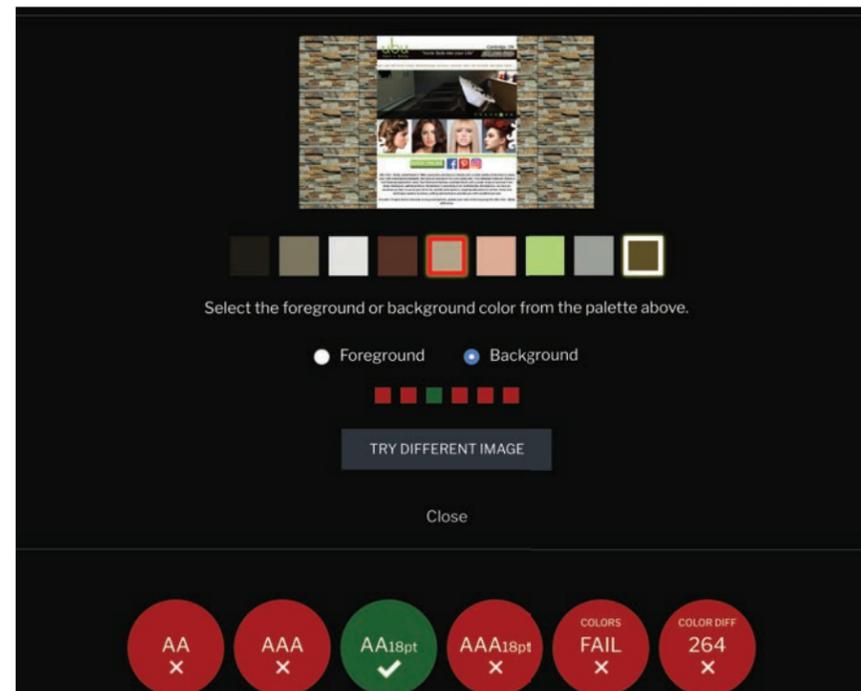
Foreground Background

TRY DIFFERENT IMAGE

Close

AA ✓ AAA ✓ AA18pt ✓ AAA18pt ✓ COLORS PASS ✓ COLOR DIFF 542 ✓

Contrast Checker



The screenshot shows the Contrast Checker interface with a dark background. At the top, there is a preview window showing a webpage with a stone wall background and a white text box. Below the preview is a color palette with eight color swatches. The text "Select the foreground or background color from the palette above." is displayed. There are radio buttons for "Foreground" and "Background", with "Background" selected. A "TRY DIFFERENT IMAGE" button and a "Close" button are visible. At the bottom, a row of six circular indicators shows the results: "AA" (fail), "AAA" (fail), "AA18pt" (pass, green checkmark), "AAA18pt" (fail), "COLORS FAIL" (fail), and "COLOR DIFF 264" (fail).

Select the foreground or background color from the palette above.

Foreground Background

TRY DIFFERENT IMAGE

Close

AA
x

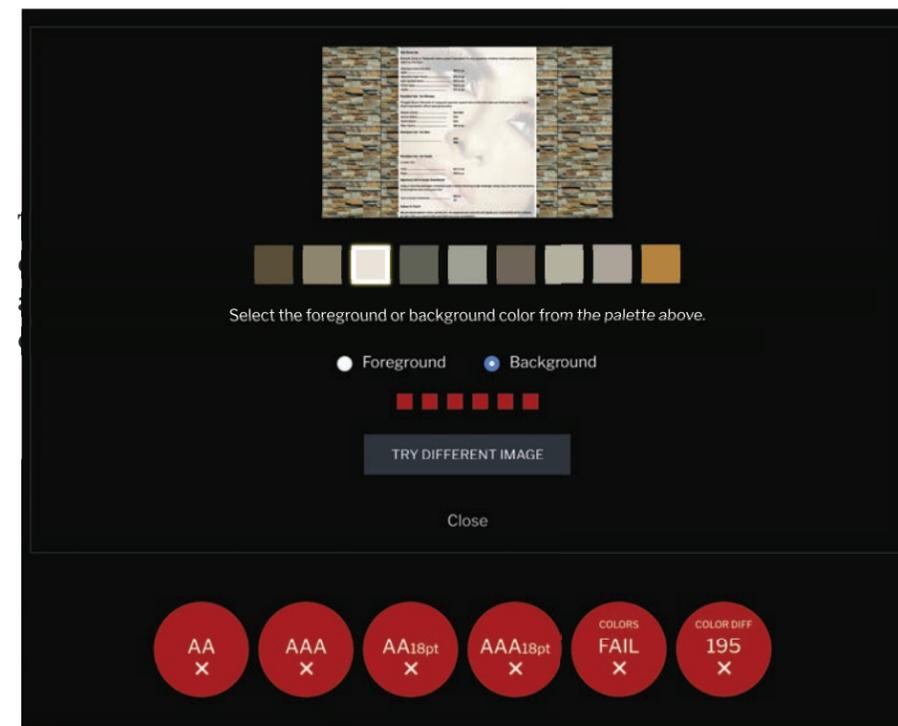
AAA
x

AA18pt
✓

AAA18pt
x

COLORS
FAIL
x

COLOR DIFF
264
x



The screenshot shows the Contrast Checker interface with a dark background. At the top, there is a preview window showing a webpage with a stone wall background and a white text box. Below the preview is a color palette with eight color swatches. The text "Select the foreground or background color from the palette above." is displayed. There are radio buttons for "Foreground" and "Background", with "Background" selected. A "TRY DIFFERENT IMAGE" button and a "Close" button are visible. At the bottom, a row of six circular indicators shows the results: "AA" (fail), "AAA" (fail), "AA18pt" (fail), "AAA18pt" (fail), "COLORS FAIL" (fail), and "COLOR DIFF 195" (fail).

Select the foreground or background color from the palette above.

Foreground Background

TRY DIFFERENT IMAGE

Close

AA
x

AAA
x

AA18pt
x

AAA18pt
x

COLORS
FAIL
x

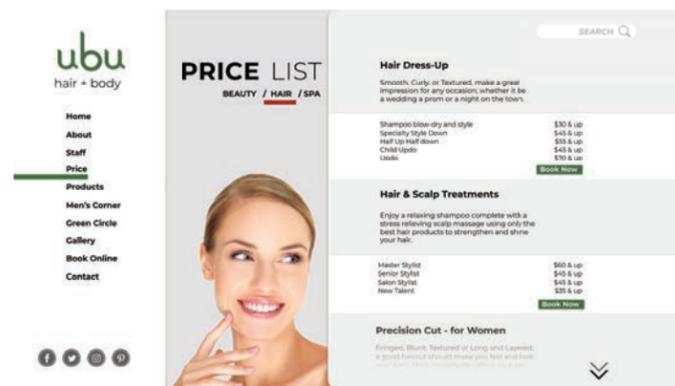
COLOR DIFF
195
x

Color Blindness Simulator

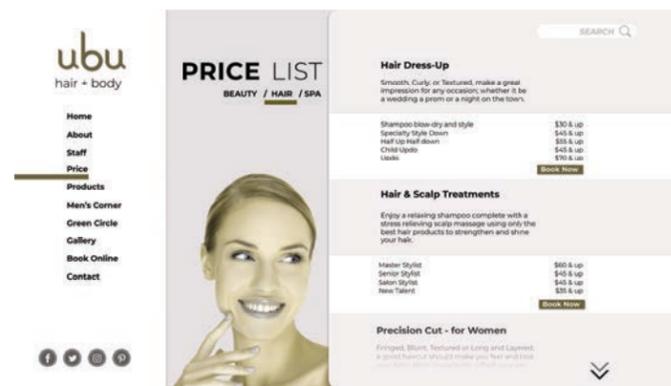
The Color Blindness Simulator

As all the calculations are made on your local machine, no images are uploaded to the server. You can use images as big as you like, there are no restrictions.

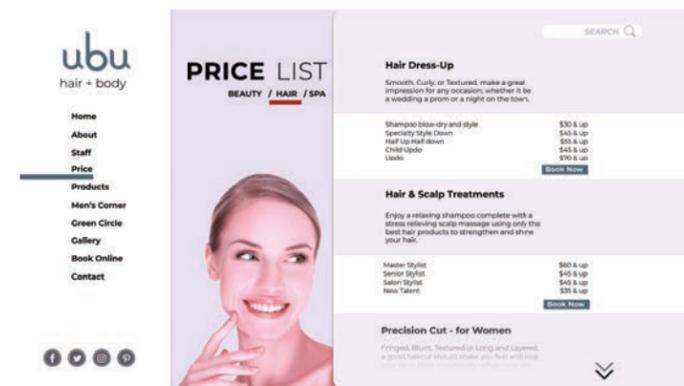
<https://www.color-blindness.com/coblis-color-blindness-simulator/>



Normal



Dichromatic



Tritanopia

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Smooth, Curly, or Textured, make a great impression for any occasion; whether it be a wedding a prom or a night on the town.

Shampoo blow-dry and style	\$30 & up
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Half Up Half down	\$55 & up
Child Updo	\$45 & up
Updo	\$70 & up

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Enjoy a relaxing shampoo complete with a stress relieving scalp massage using only the best hair products to strengthen and shine your hair.

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Youth Pedicure	\$28
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Gel Overlay On Toes w/ Pedicure	\$70

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Our nail enhancements are hand sculpted by the artist, remain shiny, strong, and natural looking for up to 3-4 weeks.

Hand Sculpted Nail Extensions	\$75
French Gel Overlay (On Existing Nail Length)	\$45
French Gel Fill	\$50
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Designed Nail Art	\$10
Gel Removal With Manicure	\$50

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Specialty Style Down.....	\$45 & up
Half Up Half down.....	\$55 & up
Child Updo.....	\$45 & up
Updo.....	\$70 & up

Precision Cut - for Women
 Fringed, Blunt, Textured or Long and Layered, a good haircut should make you feel and look your best. Most importantly reflect your personality.

Master Stylist.....	\$55-\$60
Senior Stylist.....	\$45
Salon Stylist.....	\$45
New Talent.....	\$35 & up

Precision Cut - for Men

.....	\$30 -
.....	\$38

Precision Cut - for Youth
 [Under 12]

Girls.....	\$24 & up
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