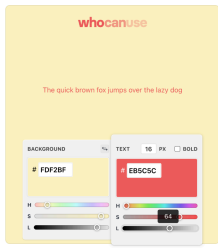
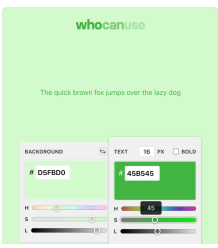
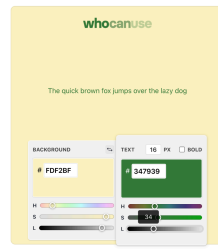
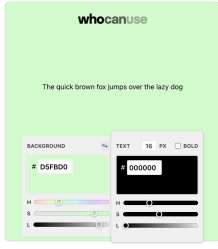


After figuring out how to use my Mac screen reader, I made sure that my website was understandable using the screen reader. I could not remember which exact website was used in class; however, I found a similar website that compared how a background color compares to text color, and I used this to make some decisions on what text colors and item colors I would use for my websites. I did not realize that the hero image which had somewhat of a pale unsaturated red on top of a lighter beige-ish color, would be challenging for some users to see, especially users with blurred vision, which led to my decision of getting rid of the red text, in favor of having it just be somewhat dark green dollar bills on top of the beige background. I was about to make the header text white, because I thought that looked better on top of the coin background, which was composed of various tones of orange-golds; however, according to the website, black would be a lot more distinguishable for a text color. Finally, I was also going to have the button at the bottom of the screen be a light green behind a darker green; however, the websites said that the tones I was going to use were too similar and would be harder for people to read, so I decided to just make the text color black. The positive thing is that the contrast makes it easier for people with vision issues to read it more clearly. However, it does limit the types of combinations you can do; darker colors must be used with lighter colors, and sometimes, such a sharp contrast can hurt my eyes.

Initial hero Image colors	Initial button colors
 <p>Contrast Ratio: 3:1 WCAG Grading: FAIL</p> <ul style="list-style-type: none"> <li>Regular Vision (Trichromatic) Can distinguish all three primary color, little to no blindness. 68% affected. What I see</li> <li>Protanomaly Reduced sensitivity to red - trouble distinguishing reds and greens. 13% affected. What I see</li> <li>Protanopia Red blind - Can't see reds at all. 15% affected. What I see</li> <li>Deuteranomaly Reduced sensitivity to green - Trouble distinguishing reds and greens. 5.2% affected. What I see</li> <li>Deuteranopia</li> </ul>	 <p>Contrast Ratio: 2.33:1 WCAG Grading: FAIL</p> <ul style="list-style-type: none"> <li>Regular Vision (Trichromatic) Can distinguish all three primary color, little to no blindness. 68% affected. What I see</li> <li>Protanomaly Reduced sensitivity to red - trouble distinguishing reds and greens. 13% affected. What I see</li> <li>Protanopia Red blind - Can't see reds at all. 15% affected. What I see</li> <li>Deuteranomaly Reduced sensitivity to green - Trouble distinguishing reds and greens. 5.2% affected. What I see</li> <li>Deuteranopia</li> </ul>
adjusted hero Image colors	adjusted button colors
 <p>Contrast Ratio: 4.73:1 WCAG Grading: AA</p> <ul style="list-style-type: none"> <li>Regular Vision (Trichromatic) Can distinguish all three primary color, little to no blindness. 68% affected. What I see</li> <li>Protanomaly Reduced sensitivity to red - trouble distinguishing reds and greens. 13% affected. What I see</li> <li>Protanopia Red blind - Can't see reds at all. 15% affected. What I see</li> <li>Deuteranomaly Reduced sensitivity to green - Trouble distinguishing reds and greens. 5.2% affected. What I see</li> <li>Deuteranopia</li> </ul>	 <p>Contrast Ratio: 18.54:1 WCAG Grading: AAA</p> <ul style="list-style-type: none"> <li>Regular Vision (Trichromatic) Can distinguish all three primary color, little to no blindness. 68% affected. What I see</li> <li>Protanomaly Reduced sensitivity to red - trouble distinguishing reds and greens. 13% affected. What I see</li> <li>Protanopia Red blind - Can't see reds at all. 15% affected. What I see</li> <li>Deuteranomaly Reduced sensitivity to green - Trouble distinguishing reds and greens. 5.2% affected. What I see</li> <li>Deuteranopia</li> </ul>