

Short Pitch:

Color Corrector is a system that allows colorblind users to view their displays through a corrective lens that adjusts their color displays using survey data from the user to assist in color identification and clarity.

Long Pitch:

Color Corrector is a system that takes in user survey data to determine the severity of a users color deficiency and to see what trends there are in the rgb data in order to create corrections based on that data. The goal from there is to assist in a user's identification accuracy of colors on their display. Because high-contrast systems already exist that assist in the user's ability to be able to make distinctions between objects on screen, our objective is to make it so that the user is able to more confidently, and more accurately, identify the actual colors of the objects on screen.

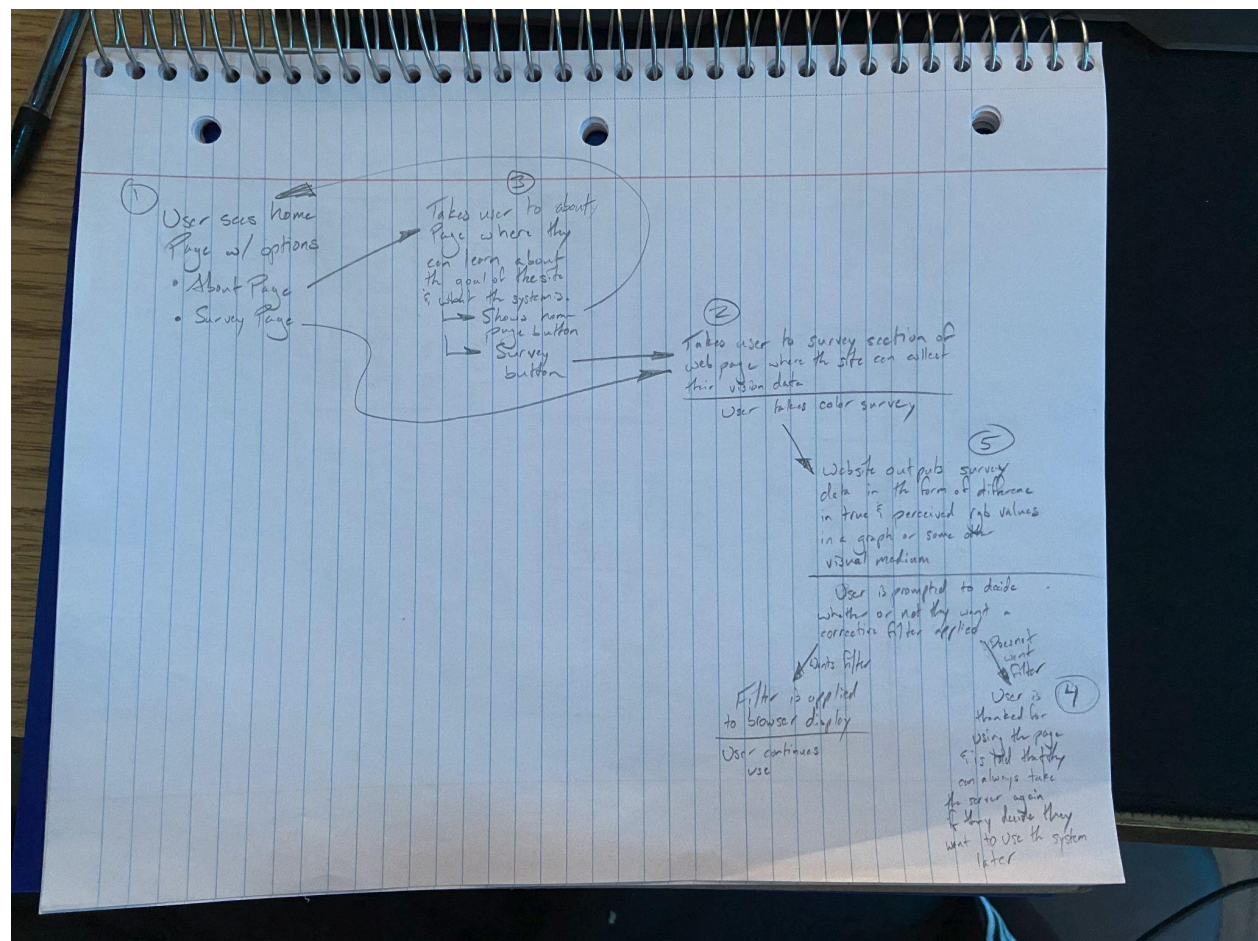
Personas:

- Max Smith:
 - 12 year old boy
 - Recently learned he was colorblind after always having a hard time identifying the colors of the things around him. Interested in seeing if using our service that he heard about could be helpful with resolving his frustrations, especially when he is using his computer.
 - Uses the website/software primarily on his laptop.
 - Hoping that this software assists him in being able to identify the differences in colors more easily and hopes to be able to more accurately identify them.
- Craig Johnson:
 - 70 year old man
 - Has lived his whole life knowing he was colorblind
 - Always struggled but learned to work through the frustration
 - Has adapted his life around the deficiency avoiding the use of colors to organize or identify things. He heard about the website and is interested in figuring out how helpful it would be for someone like him.
 - Interested to see whether or not the system would be able to assist in his ability to accurately identify colors when prompted by the system. He's looking to be able to use it on his smartphone as he uses that much more than his desktop computer at home
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Comparative/Competitive Websites:

- Apple iOS
 - Has a high-contrast setting on their devices the user can set depending on the severity of their vision.
 - However, this system does nothing in attempts to correct for a users deficiency and only assists in making similar colors more vibrant and distinct from one another
- Colblinder
 - A website that simulates colorblindness
 - The closest thing I could find that relates to the concept
 - Wasn't able to find very many websites or browser-based plug-ins that work in assisting the user and their ability to accurately identify color on their displays

Shorthand Flow



Wireframes

Home Page ①

[Logo]	About Survey
Color Corrector	Take our Survey for a customized browser filter
<input type="text"/>	<input type="button" value="Survey"/>

Survey Sample Page ②

[Logo]	Home About
Exit	Q 1 / ?
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Choose the different Color
<input type="button" value="Back"/>	<input type="button" value="Next"/>

About Page ③

[Logo]	Home Survey
About	
<input type="text"/>	
<input type="text"/>	

Thanks Page ④

[Logo]	Home About Survey
Return to Survey Report?	Thanks
<input type="button" value="←"/>	<input type="text"/>
	<input type="text"/>

Survey Report / Filter Prompt Page ⑤

[Logo]	Home About
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Apply Filter based on captured Data?	<input type="button" value="yes"/> <input type="button" value="no"/>

