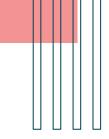
COLOR BLOCK

assistive app

Color Blindness



Legally Blind

Color blindness affects ~ 8 : 10 % of the population

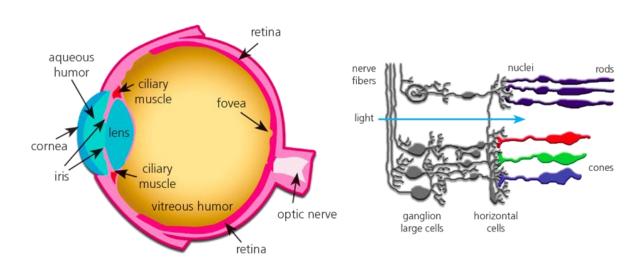
Most types are mild

How can you tell there's a problem?





Perception to Everything



Subject to ridicule

Reading maps and graphs

Identifying traffic lights and signs

Judging food

Can't dress or wear makeup properly!

"FORGET COLORS!"



Need for an accessible application

- Allows for seeing color
- Science-based!







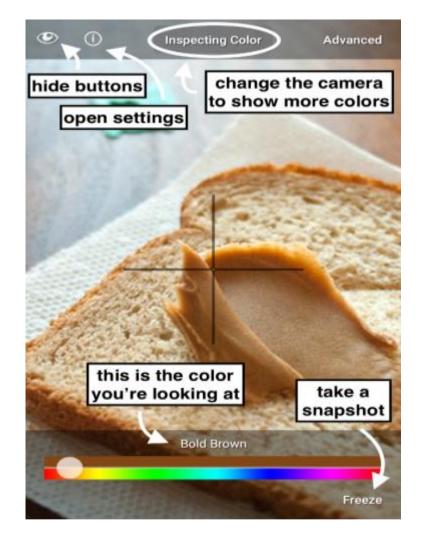
Apps?



Color Blind Pal

Easy usage of common color names
Freeze and inspect
Use the phone as a portal





Visolve App

Original 29.8 fps Transform Filter Hatch Simulate









Color Binoculars

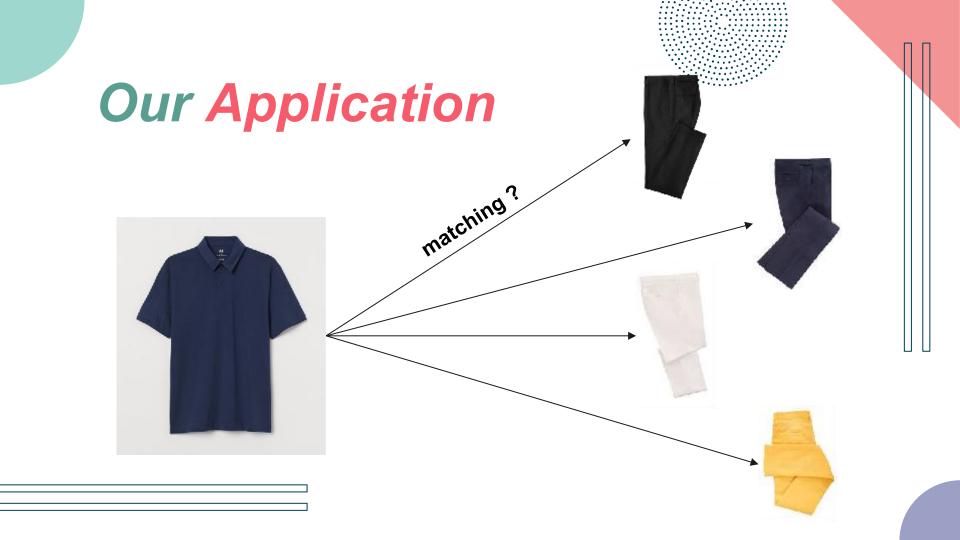
Distinguish colors in everyday lives
Replacing difficult color combinations
Supports all types of color blindness



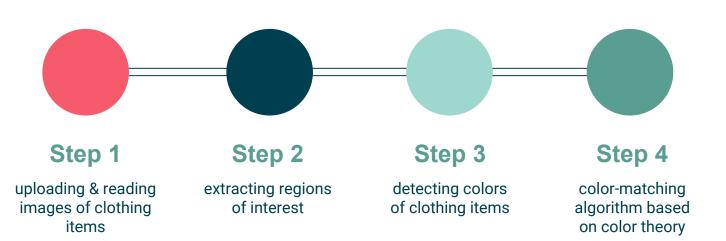
Color Binoculars can enhance your camera, so you can see the world like you never have before.



Our Approach



Working Pipeline



Groups

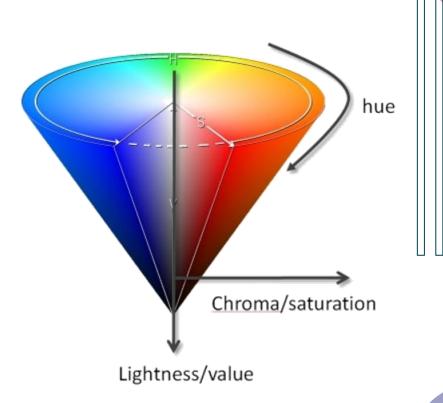


Color Characteristics

Hue: The appearance of color itself -blue

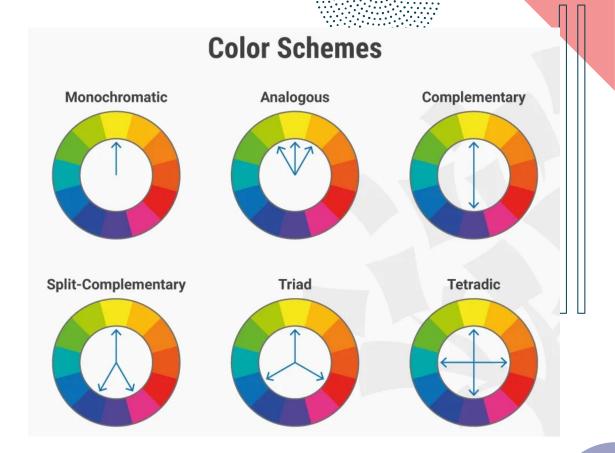
Saturation: Purity of Color

Lighting: Brightness of Color



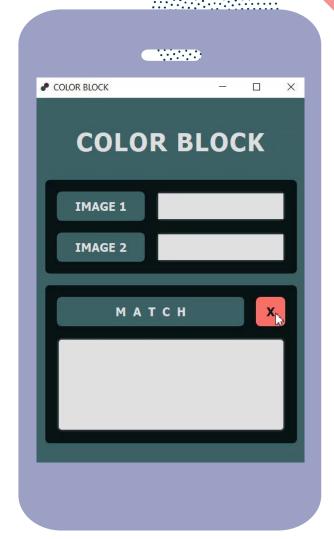
Color Theory

Do the colors go along?









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Team 19

THANK YOU



