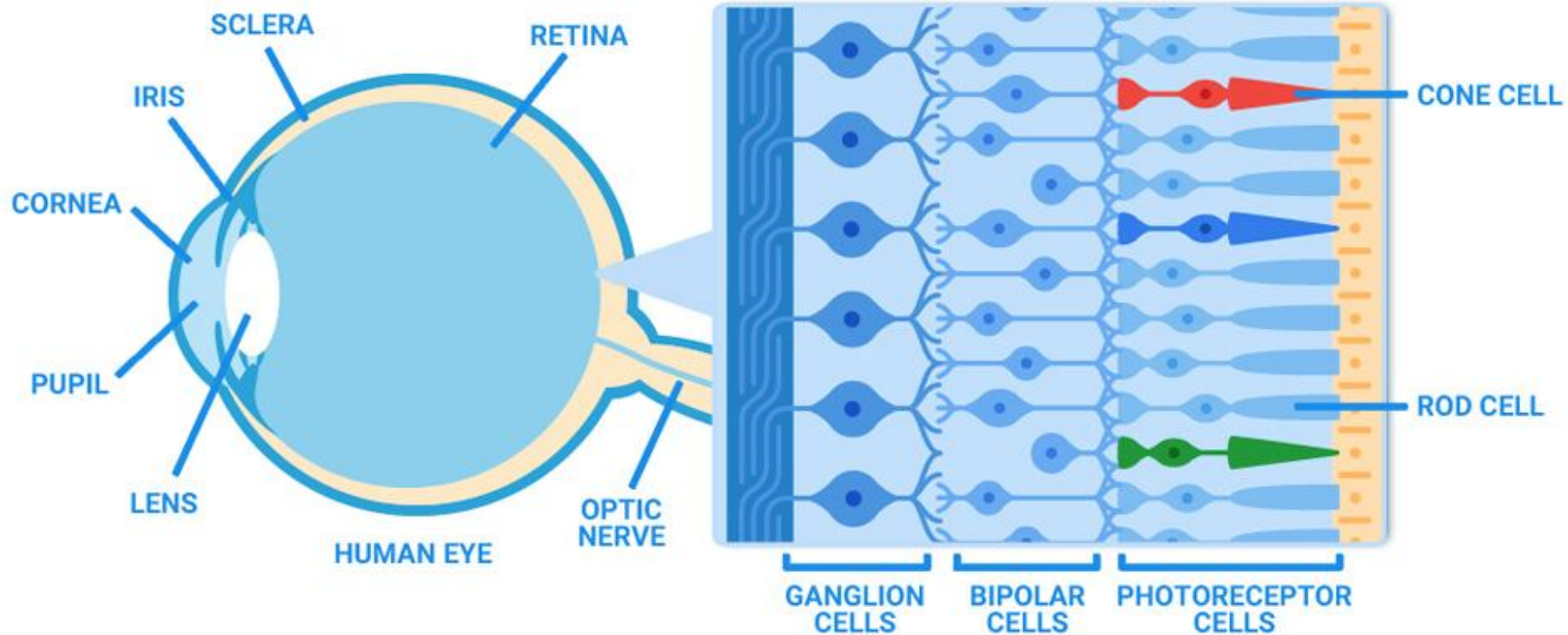
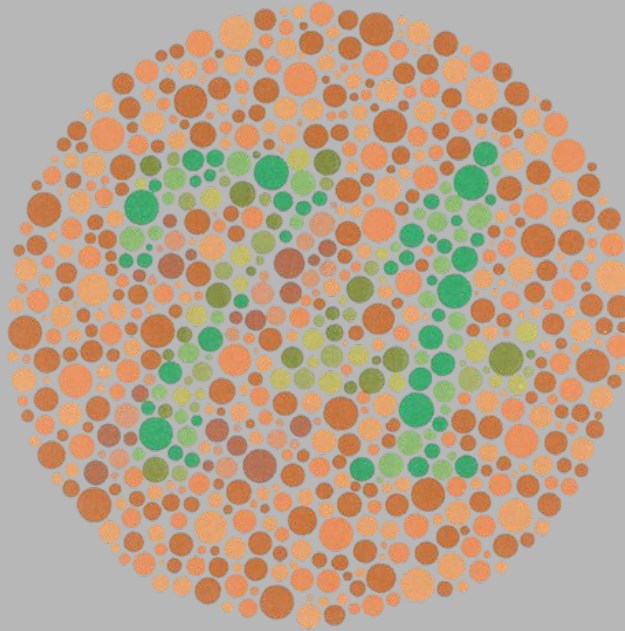


Color

bit.ly/2017cyc



2.7 Million Color Blind People



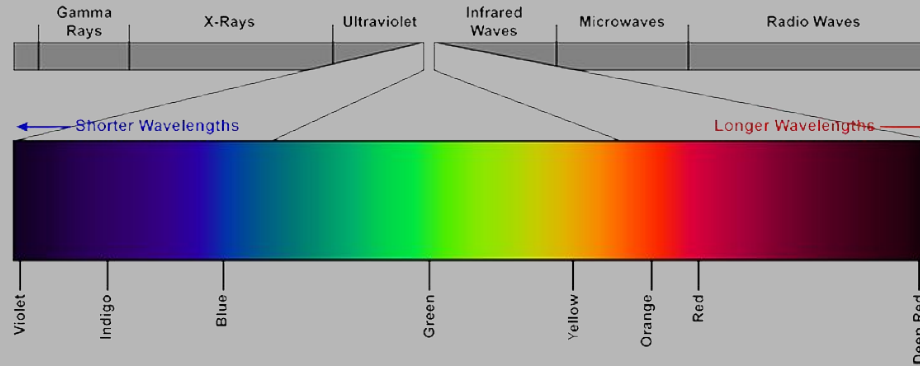
Take the Test <http://enchroma.com/test-150401.2/#&ui-state=diaog>

Take the Test

<http://enchroma.com/test/instructions/>



Super Sight



Dichromat

Almost all animals

Have 2 types of cones

Trichromat

Humans

Have 3 types of cones

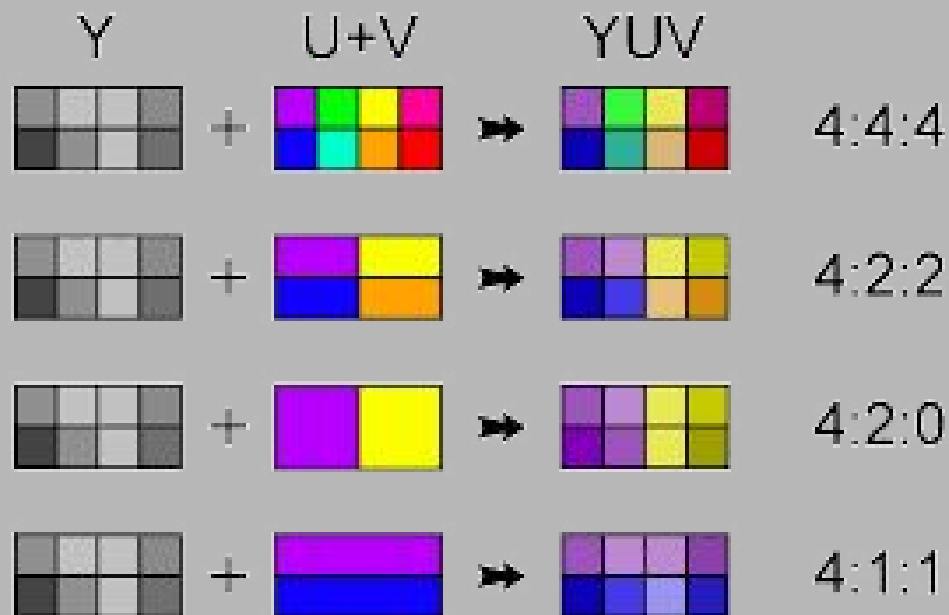
Tetrachromat

Some humans, Goldfish, zebra fish

Have 4 types of cones

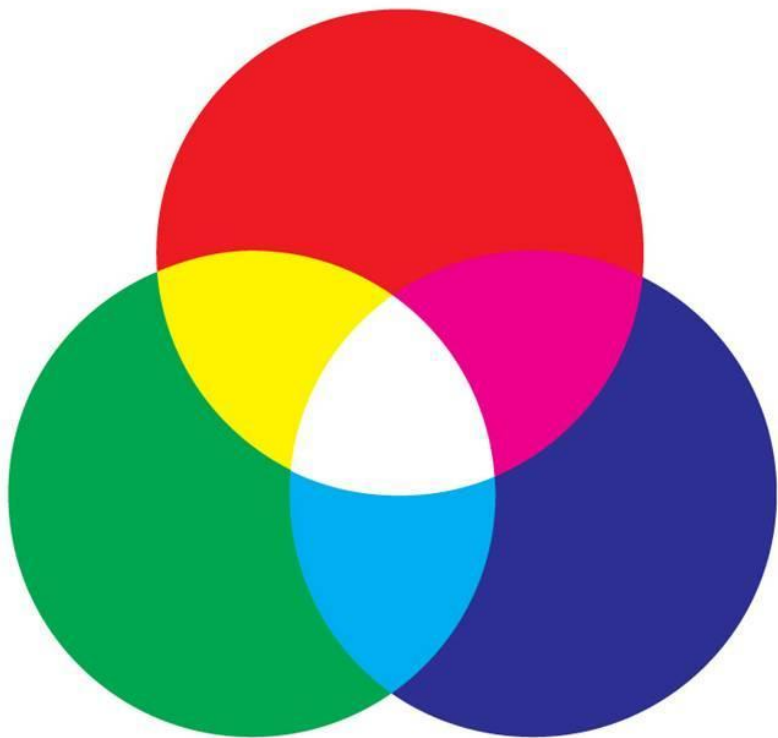
Super Sight <http://discovermagazine.com/2012/jul-aug/06-humans-with-super-human-vision>

Chroma Subsampling in Compression

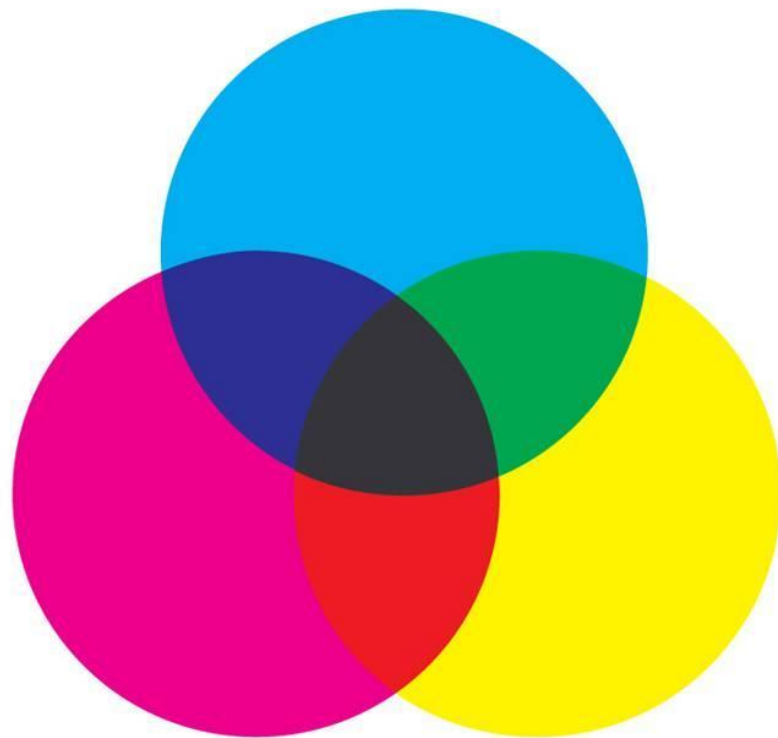






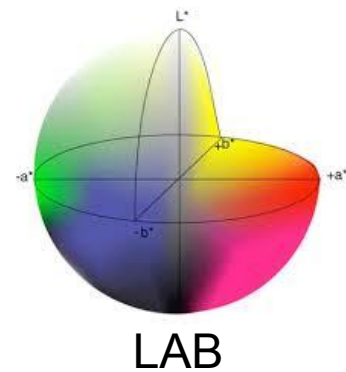
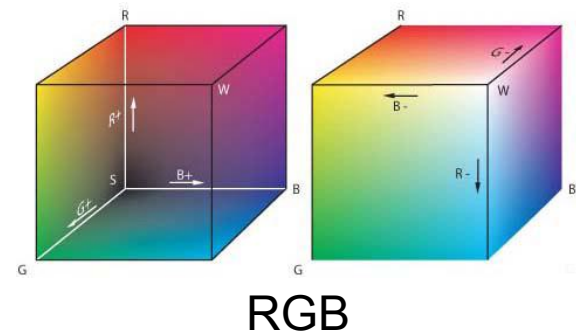
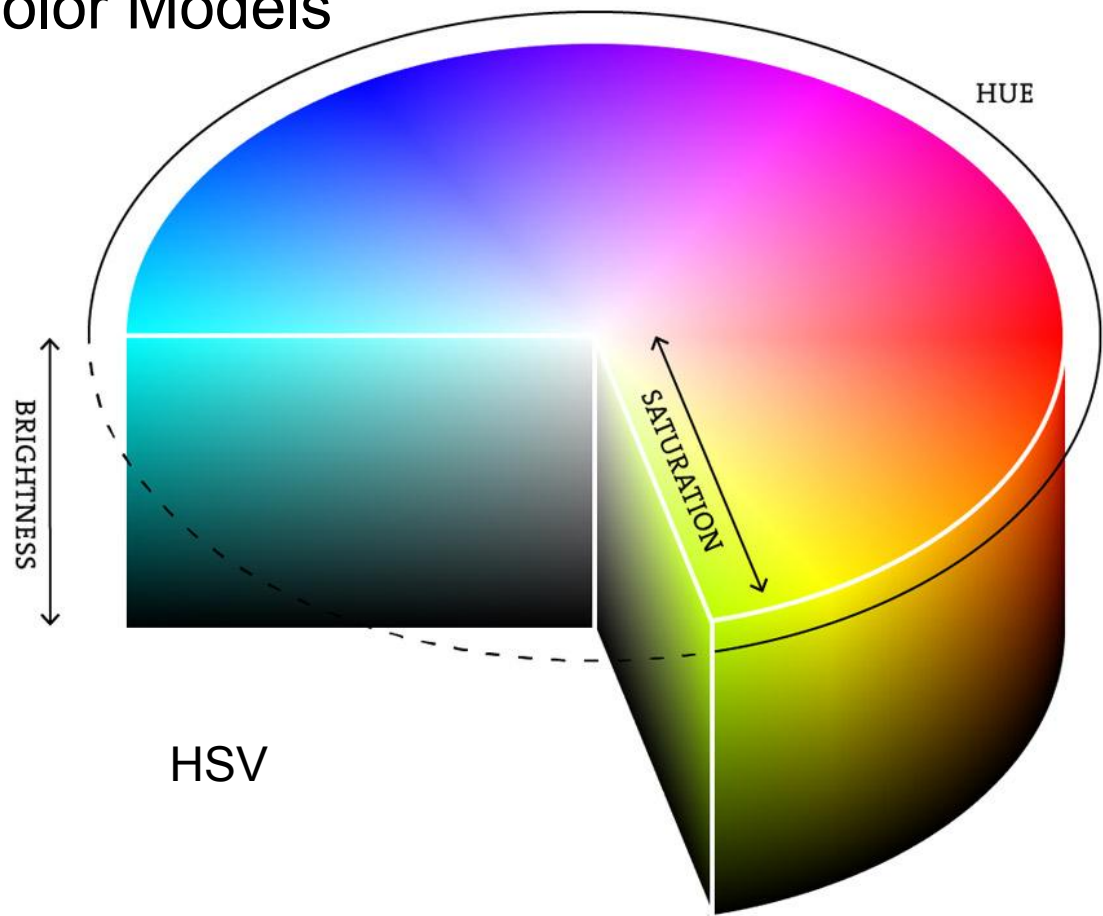


Additive Colors

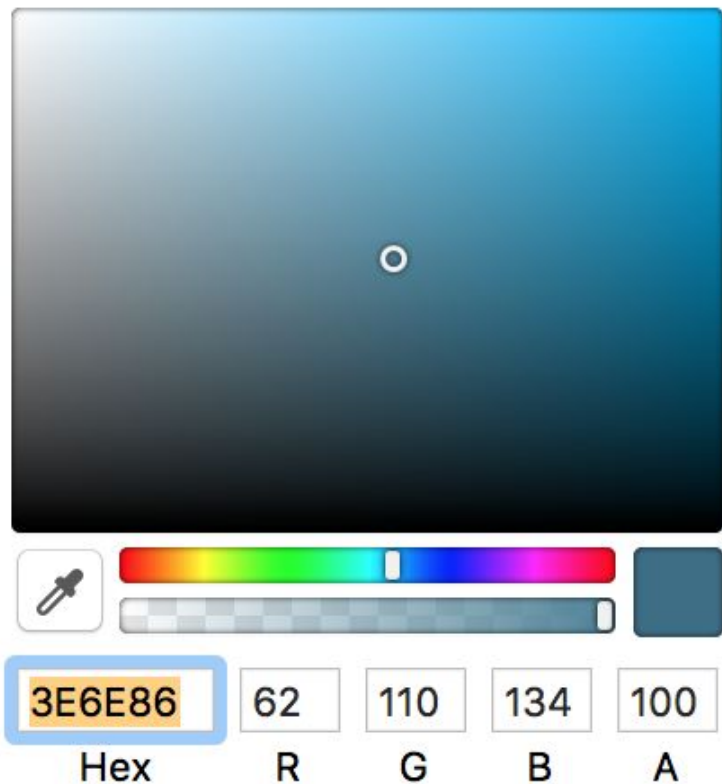


Subtractive Colors

Color Models

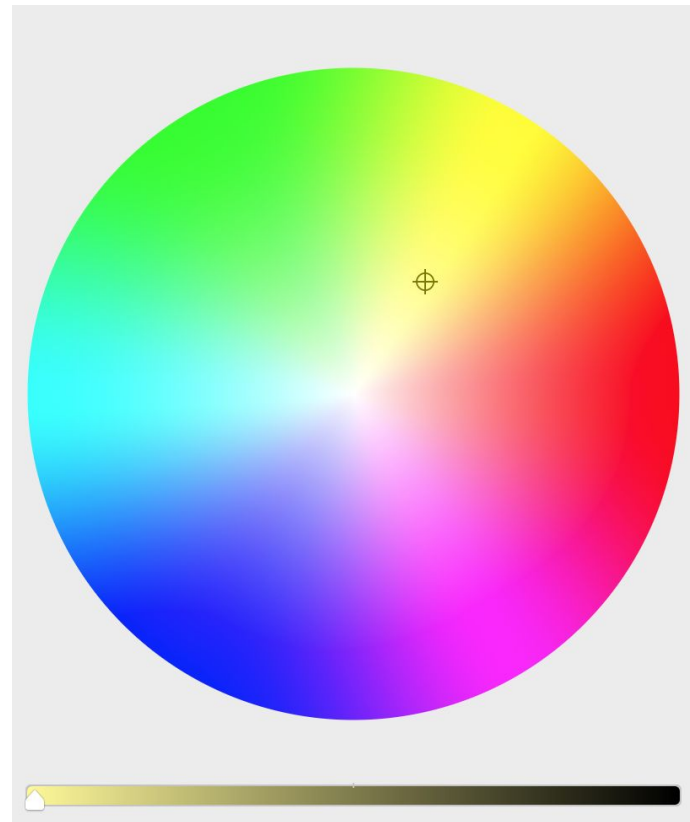


Different Approaches to Picking HSV Color



Hue Slider

Saturation x Brightness Field (X/Y axis)

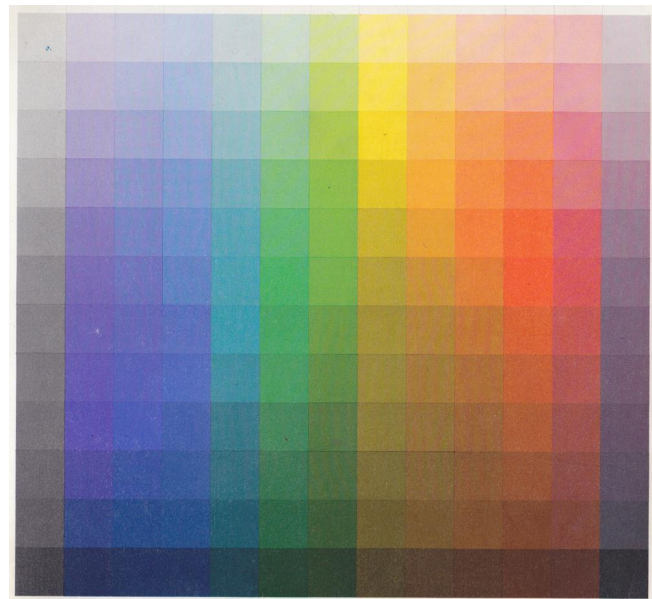


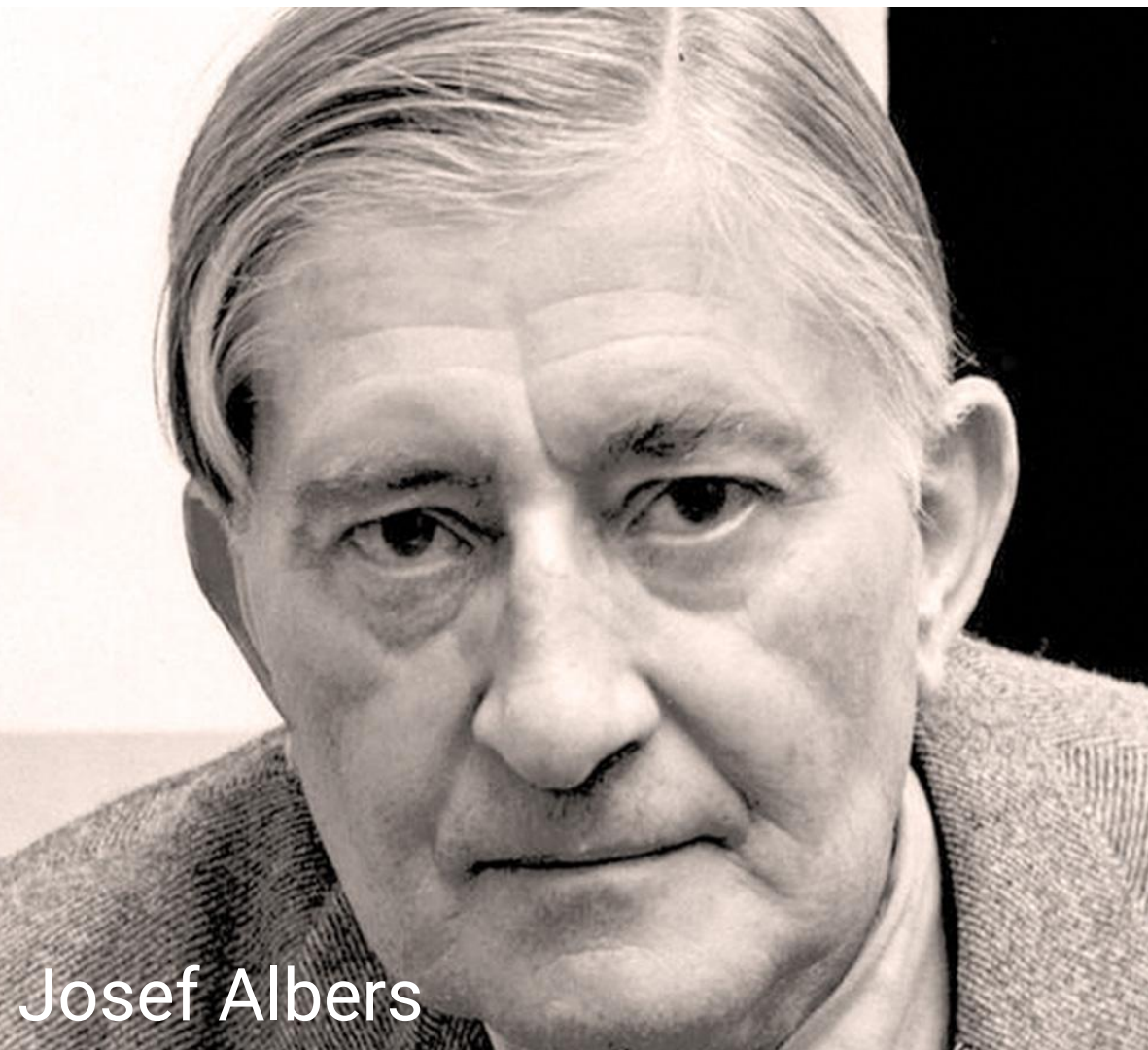
Hue x Saturation Field (degree x radius)

Brightness slider

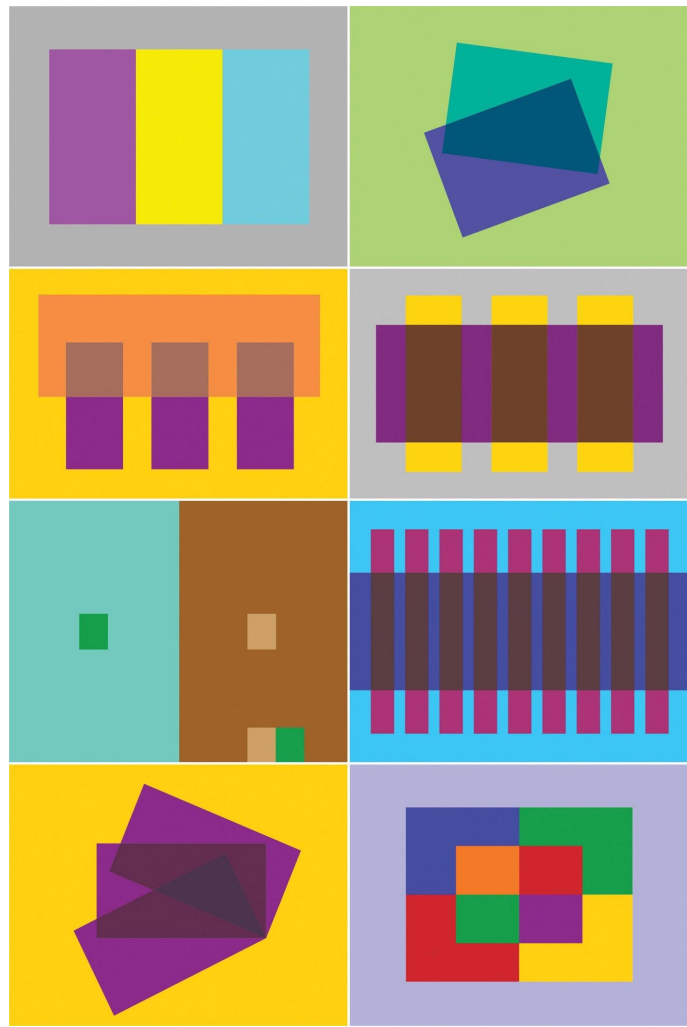


Johannes Itten



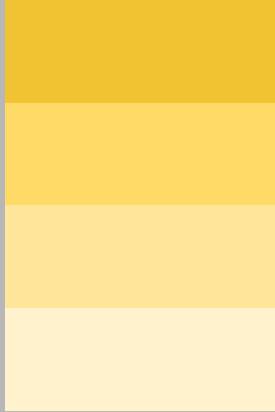


Josef Albers

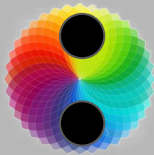
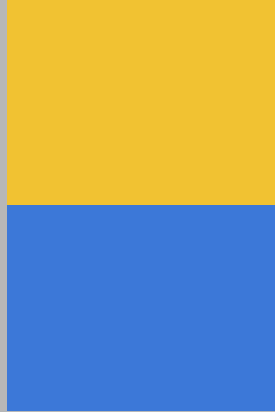


Creating a color palette

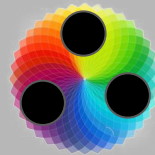
Monochrome



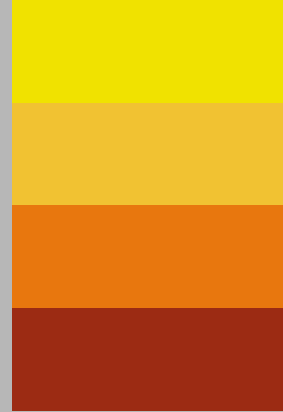
Complimentary





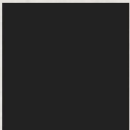
Triad



Analogus



Cornell Brand

Color	Swatch	PMS	Four-Color Process
Red		#187	C0 M100 Y79 K20
White		-	-
Grey		#Cool Grey 11	C72 M66 Y65 K72

Weill Cornell Brand

Masterbrand logo lock-ups



Weill Cornell
Medicine



Weill Cornell
Medicine

Photography / color treatment



Iconography



Color palette

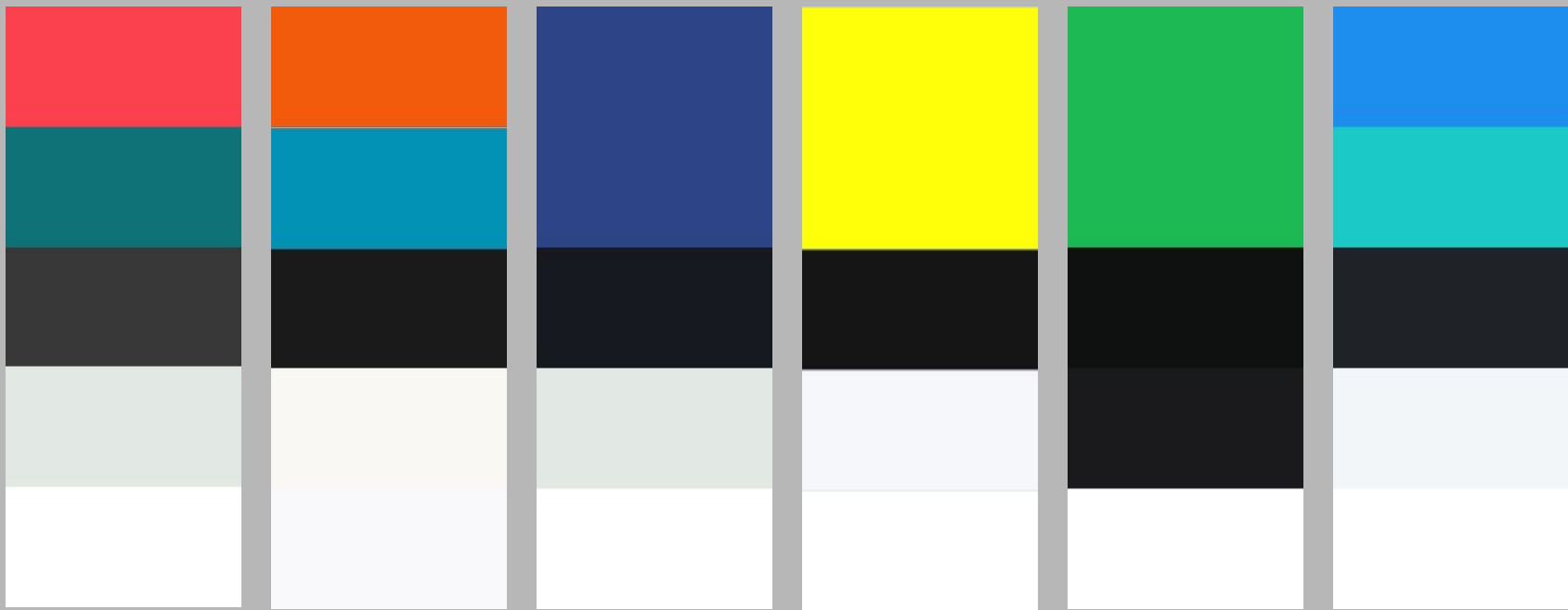
Red
Dark Orange
Bright Orange
Yellow

White
Black
Black 40% 30%
20% 10% 5%

Typography

1898 Light /
1898 Light Italic /
1898 Regular /
1898 Regular Italic /
1898 Bold /
1898 Bold Italic /

Identifying a color palette

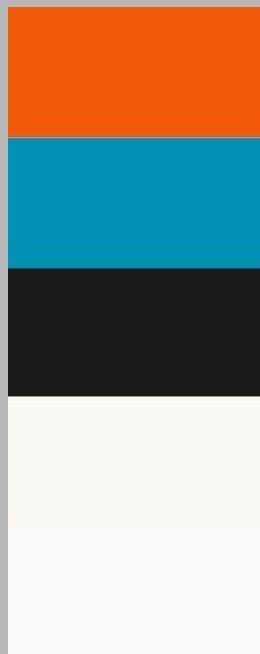


Identifying a color palette

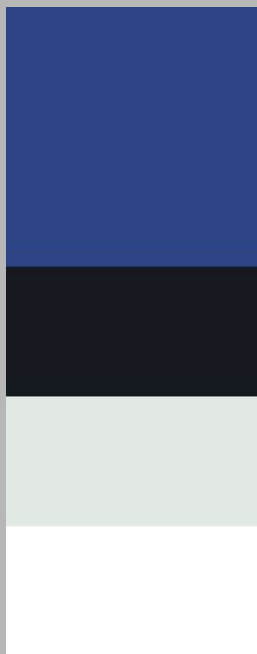
Airbnb



Etsy



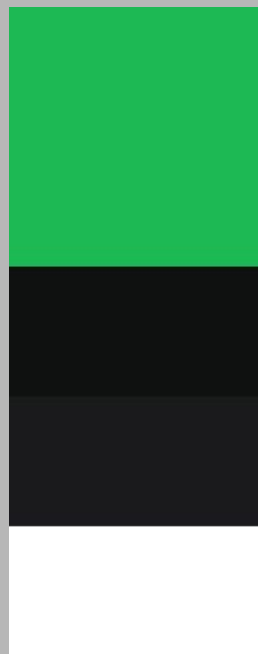
Facebook



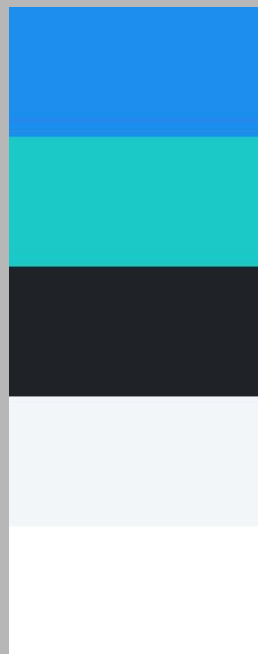
Snapchat



Spotify



Twitter





Digital Color Meter

View

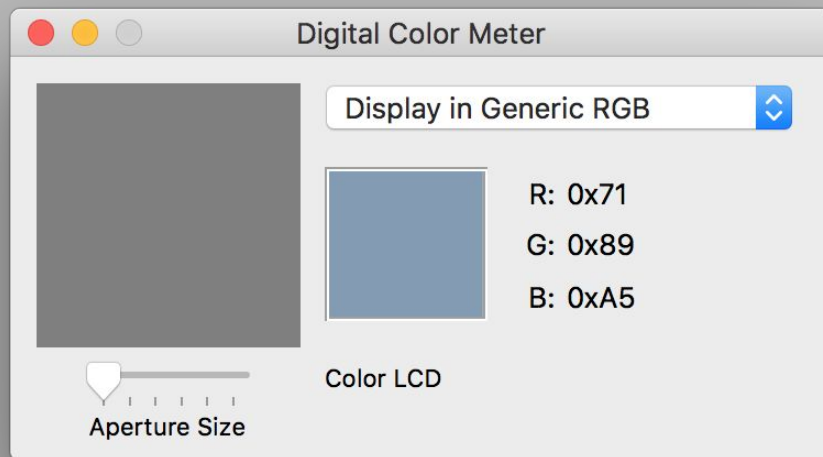
Color

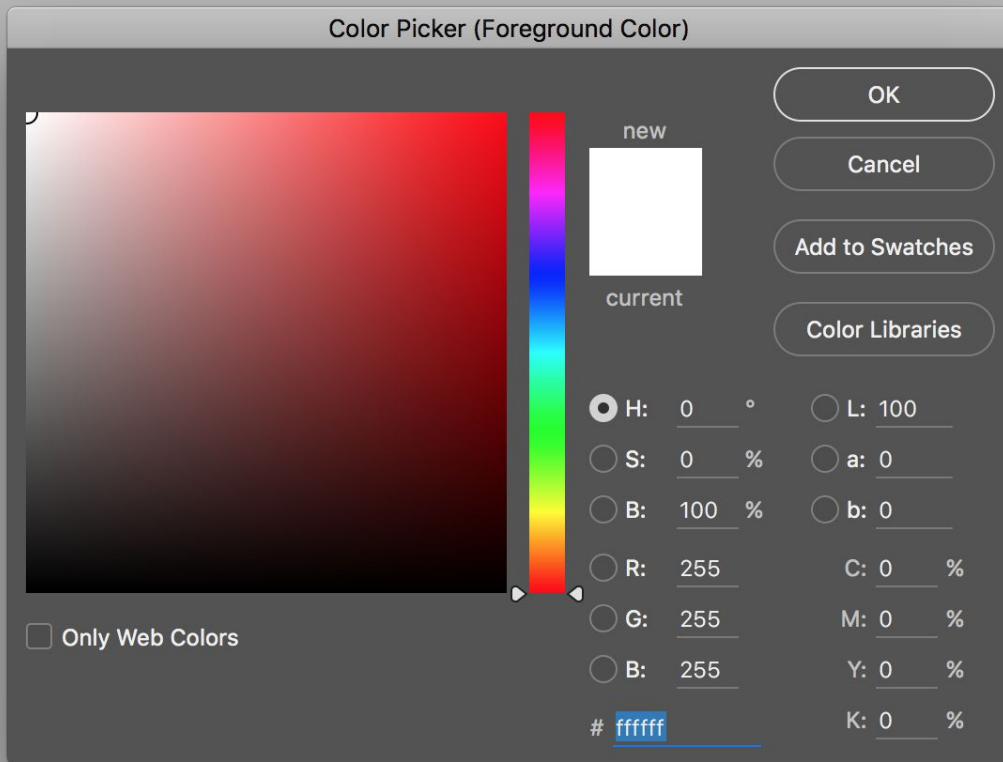
Window

Help

- Lock Position ⌘L
- Lock X ⌘X
- Lock Y ⌘Y
- Magnification ▶
- Display Values ▶
- Update Continuously
- Show Mouse Location
- Enter Full Screen

- as Decimal
- ✓ as Hexadecimal
- as Percentage





Final Comp Quiz: Color Study

Pick 1 App. Open up <http://color.adobe.com>

Slide 1/2:

Label the Primary, Secondary and any other colors in the palette.

What type of palette is this (Triad, Complementary etc.).

What deltas do you see from color.adobe.com. Why?

Slide 2:

Explore a new palette given the same Primary Color.

Why would this work? What tweaks would you make?

Slide 3:

Watch the numbers change! Write 1 sentence on what you see happening with H,S,V

Example Spotify



Primary

HSV: 144,84,73

RGB: #1db954ff



Secondary

HSV: 0,0,0

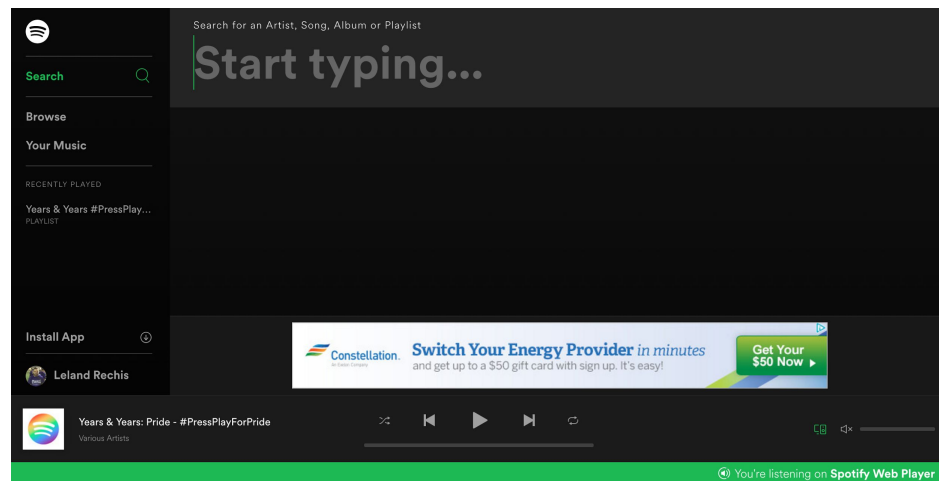
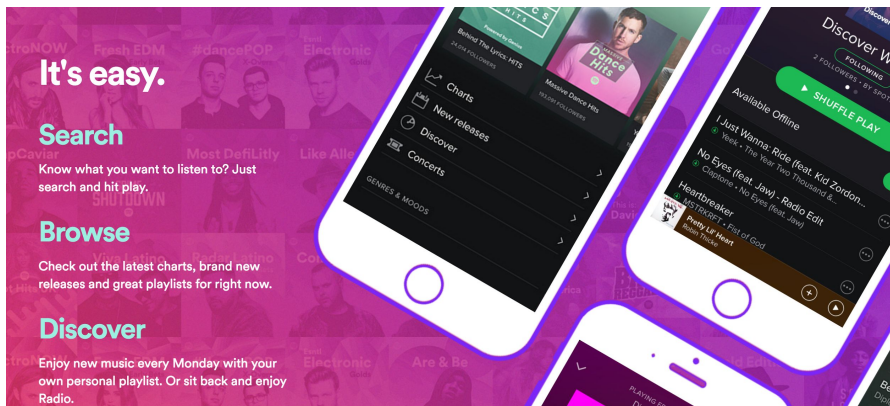
RGB: #000000



Secondary

HSV: 265,100,96

RGB: #6700f6



Other Resources

Johanes Itten's [Seven Kind's of Color Contrast](#) Explained

[ColorClaim](#) A Palette Moodboard

Another fun color picker app [Colour Co](#)

Color matching game [Color](#)