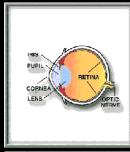
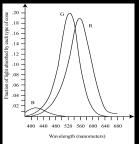
Color

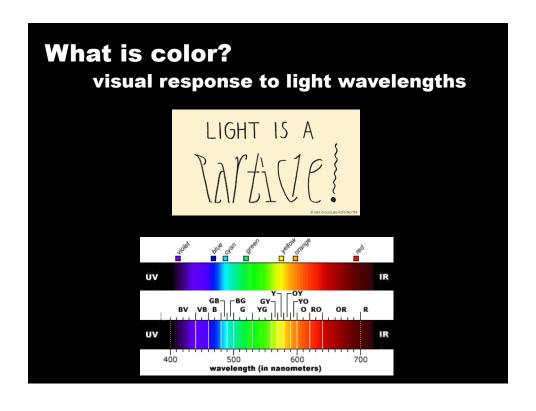
- · The Science of Color
 - What is color
 - Why we see what we see
- The Psychology of Color
 - Color Theory
 - Uses of Color
 - Anita's Color Theory application
- · The Technology of Color
 - Color in Director

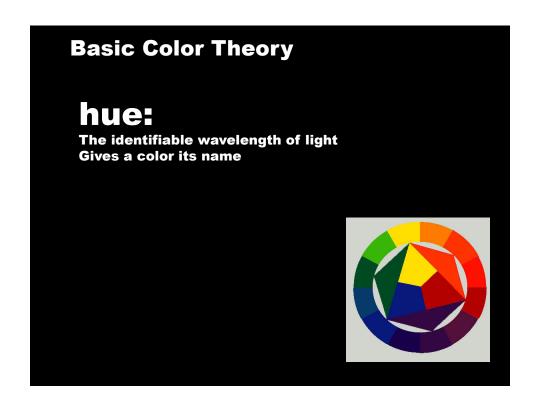
Why we see what we see?

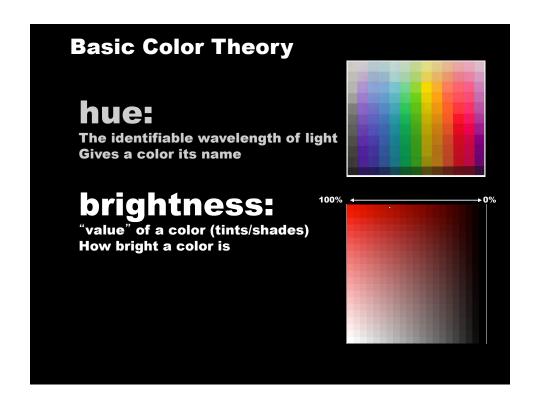
- · We can see > 10M colors
 - Still small number compared to what is "out there"
- Our retinas have:
 - color-sensitive cells (cones)
 - · Red, green, blue
 - Intensity-sensitive cells (rods)
 - Our response ability varies

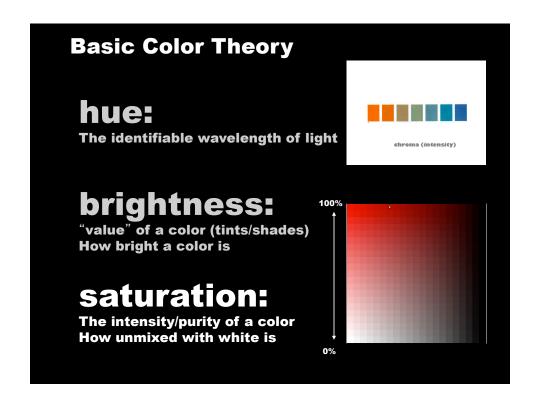












The Munsell Color System

Is based on

hue (angle of wheel) brightness (vertical)

saturation (distance from center)

5 main hues: RYGBP

We will use the high-tech
Color Scheme Generator 2

and Anita Yip's

Color Theory Tutorial

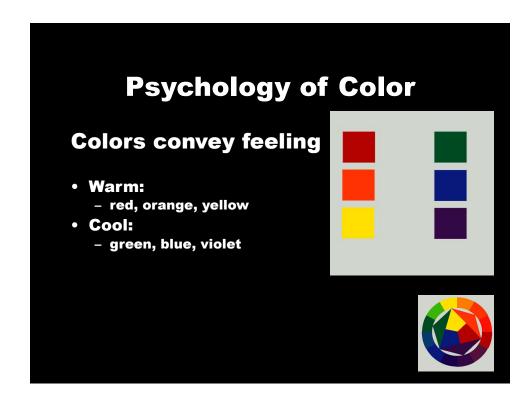


http://cs.wellesley.edu/~cs215/Lectures/L07-ImagesColorTheory/Anita_color_theory.html

Chemistry of Color

- Color wheel divided into 3 categories:
- Primary:
 - can create all others
 - red, yellow, blue
- Secondary:
 - mix 2 primaries
 - orange, green, violet
- Tertiary:
 - mix primary+adj. secondary
 - RO, RV, YG, YO, BG, BV





Combining Colors: "Color Schemes"

- Related Schemes
 - Monochromatic
 - Analogic
- Contrasting:
 - Complementary
 - Split complementary
 - Triadic
- Discordant:
 - Double complements



monochromatic question

