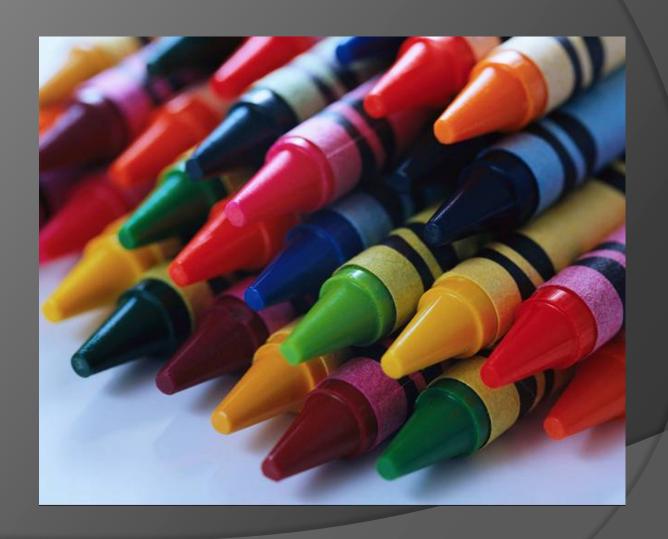
GD-105 Color

Winny Lucas

Color theory

Color Practice!

Color since we were kids



What is **COLO**?

Color is commonly referred to as a property of things:

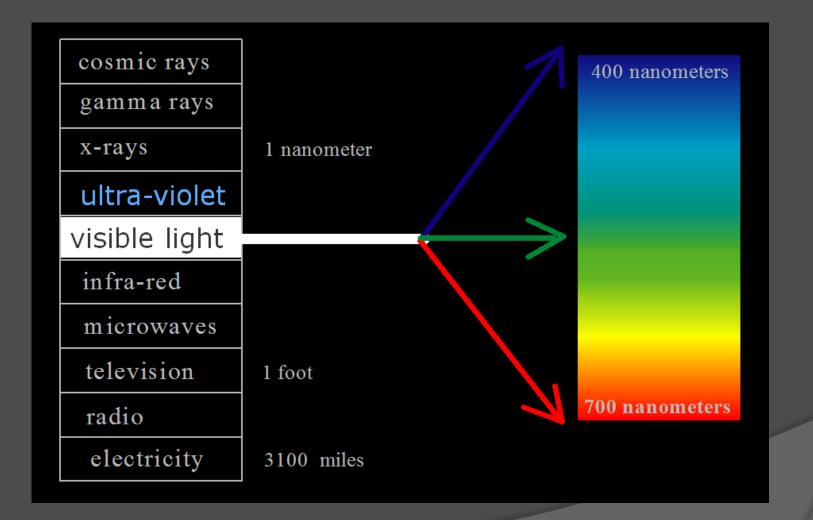
The sky is blue,

blood is red,

bananas yellow.

Color, though, exists only in the brain. It is a neural process, triggered by wavelengths of light.

COLOR



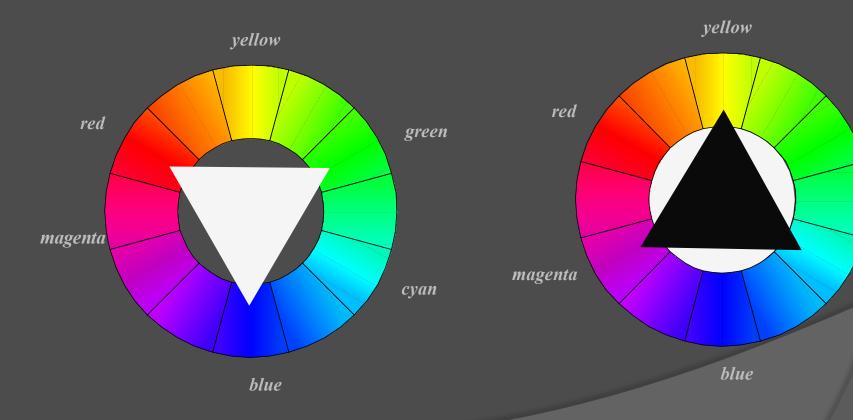


additive

subtractive

green

cyan



COLOR

RGB (in CSS2) red, green, & blue

RGBA

red, green, blue, & alpha

HSL

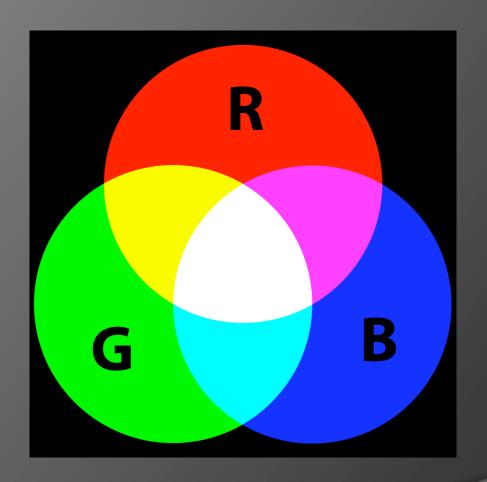
hue, saturation, & lightness

HSLA

hue, saturation, lightness, & alpha

CMYK (in the Generated Paged Media Module) cyan, magenta, yellow, & black

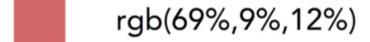
RGB is how computer think about color



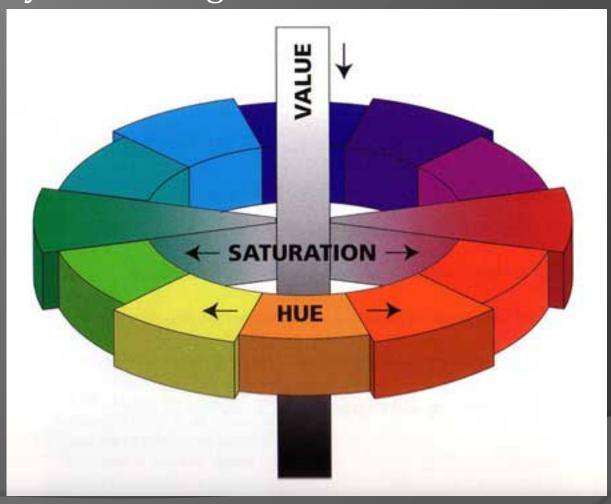
COLOR

In CSS, RBG values can be written as three comma-separated values ranging from 0 - 255, or as percentages ranging from 0 - 100%. Red values are first, followed by green, and then blue.





Value Hue and Saturation is how designer's way of thinking of color



HUE: the dimension of color determined by the light wave grouping of the color.

SATURATION: the amount of hue in a color. The saturation of a color decreases as it moves to black, white or gray.

VALUE: the lightness or darkness of a color, measured as a level of gray.

Colors in design

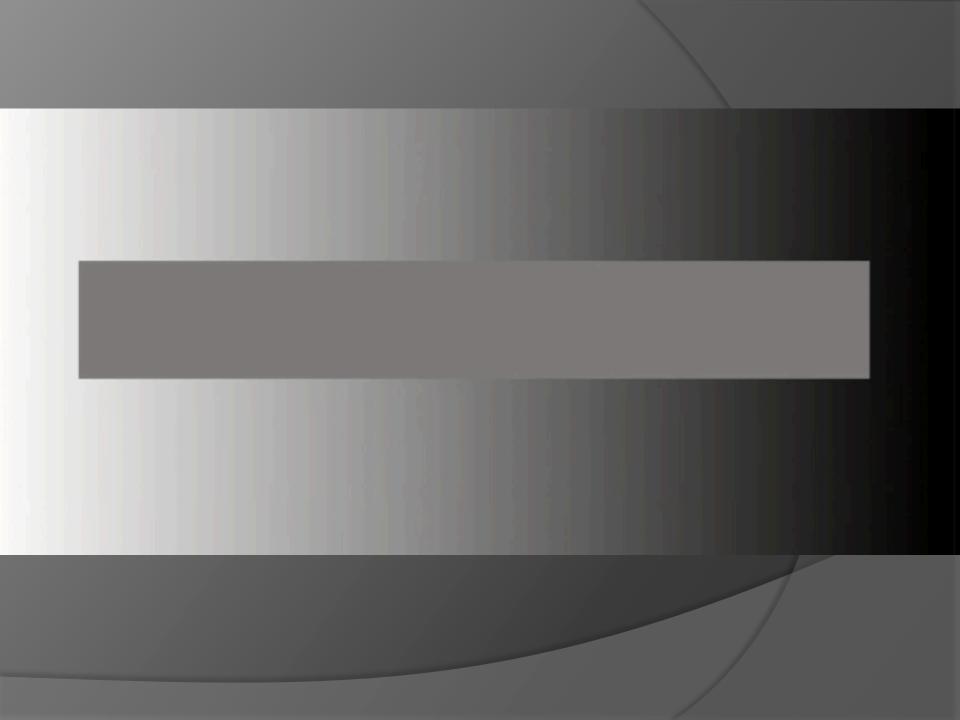
- Color is a powerful component in design.
- It defines and influences the mood and emotion.
- No matter which colors are chosen, colors must be used consistently throughout the design.

Value is considered the most important of all. That's why black and white photo works.



Value ranges from black to white
Value pops with contrast
Value defines the invisible
Value is relative to other values.





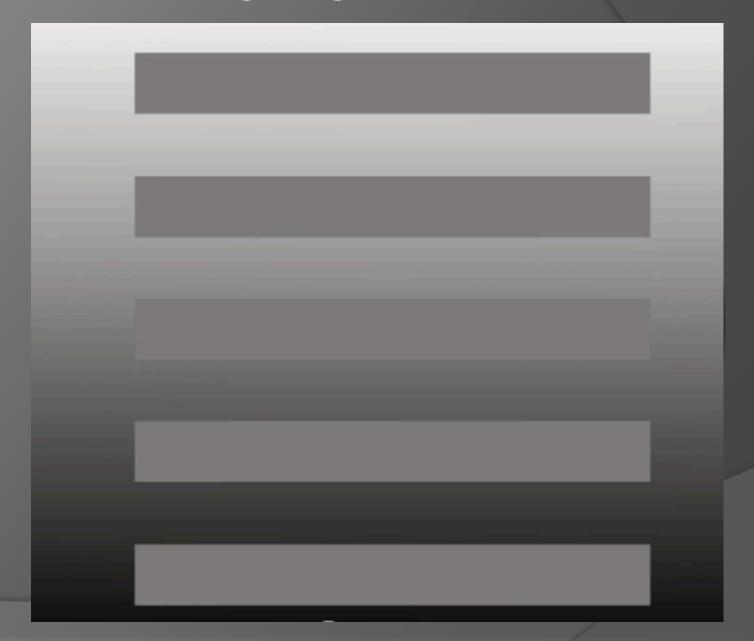
Value is **relative**

A value to human eye is not defined by a singular value standing by itself, but in relation to the values surrounding.

Brain is making thing more readable to us.



Brain is making thing more readable to us.



How to use this? Contrast.

Eye are drawn to the highest point of contrast – focal point.



Contrast as a control

- Eyes are typically drawn to the point of the highest contrast.
- The largest of high contrast typically draw most attention.
- Low contrast can move elements to the background, lower the importance.

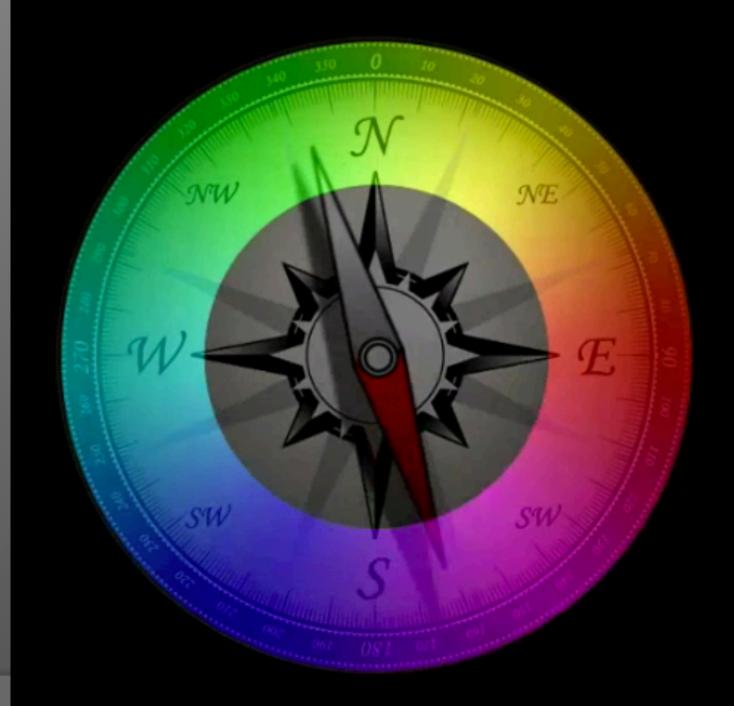
- White is not white
- Black is not black
- They are all relative, your brain redefine what is black and white.

Think about a washed out photo

Exercise: using contrast to control focal point.

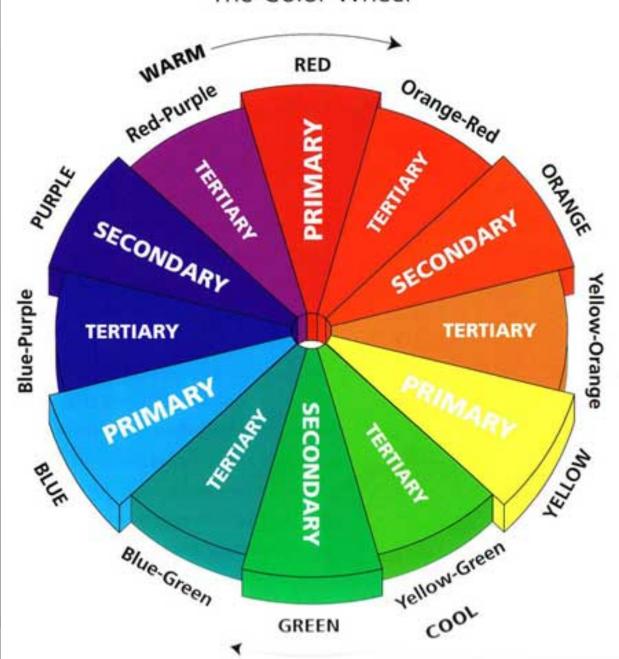
1 2 3

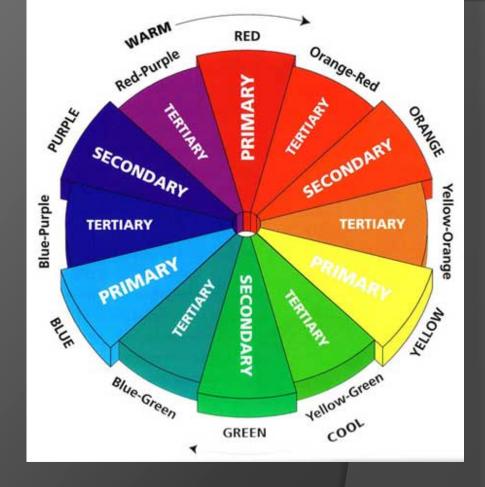
Hue/color



Hue/color

The Color Wheel



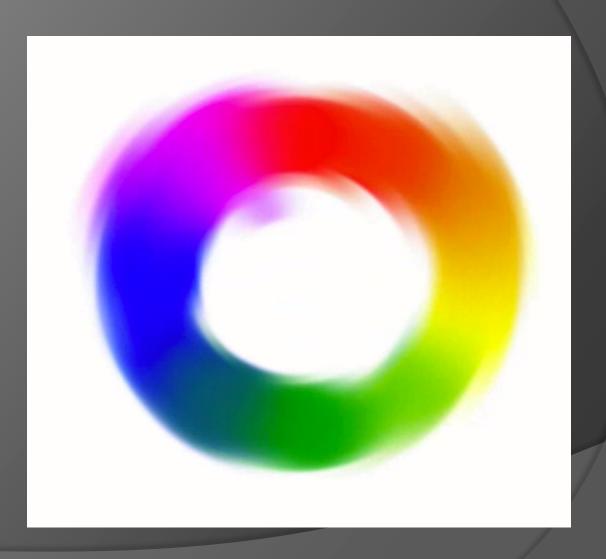


warm vs. cool

Red, orange and yellow are associated with the warmth of fire and sun

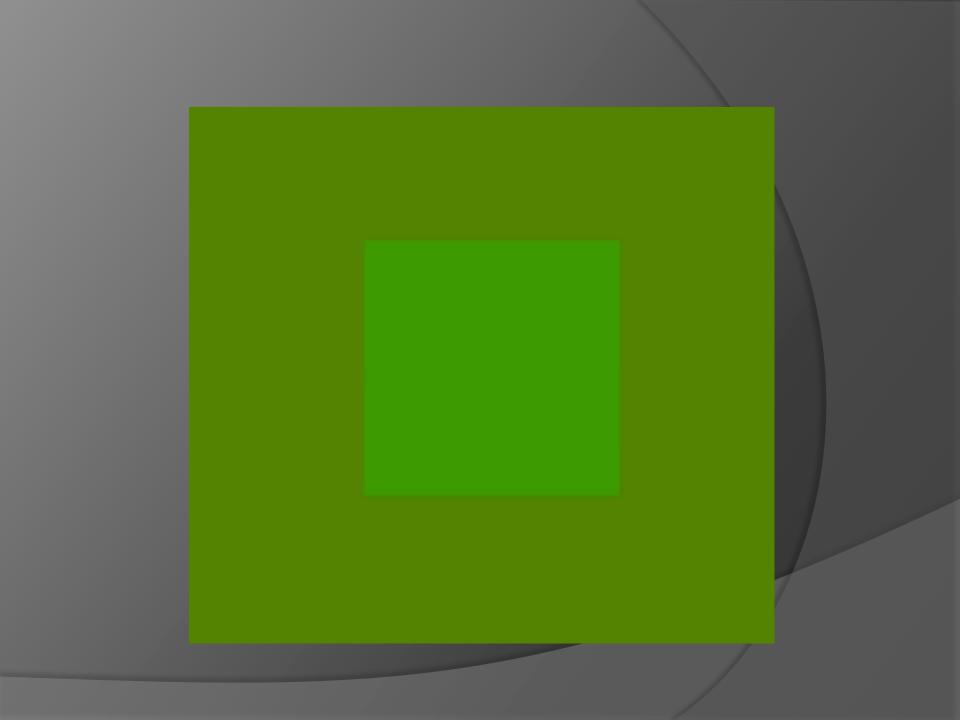
Blue, green and violet connect in the mind's eye with the coolness of sea, sky, foliage and outer space.

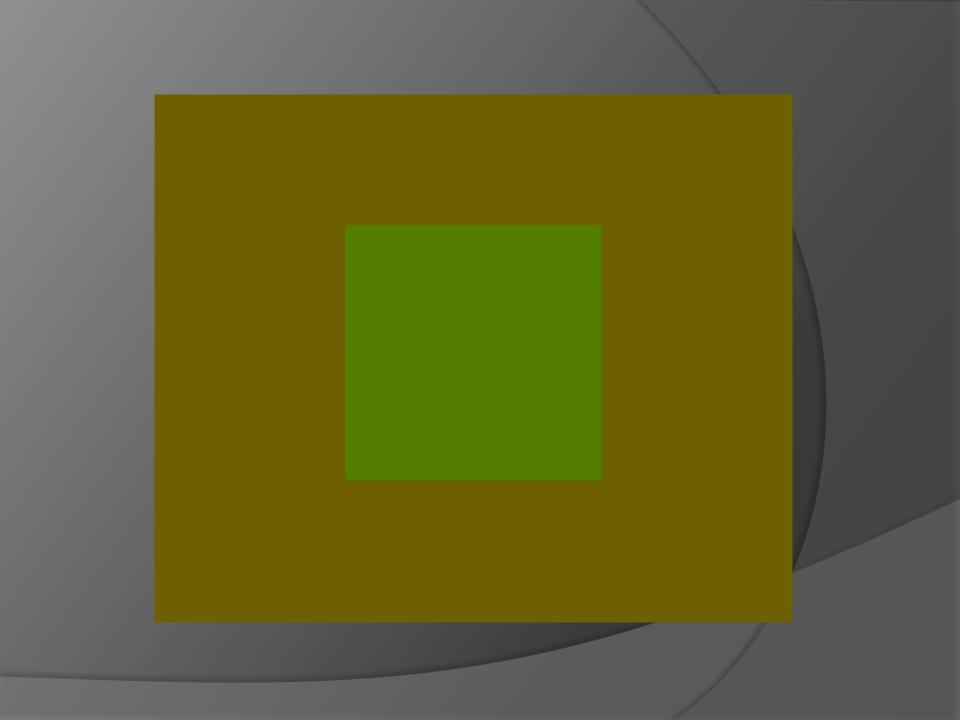
Hue has no sense of value.

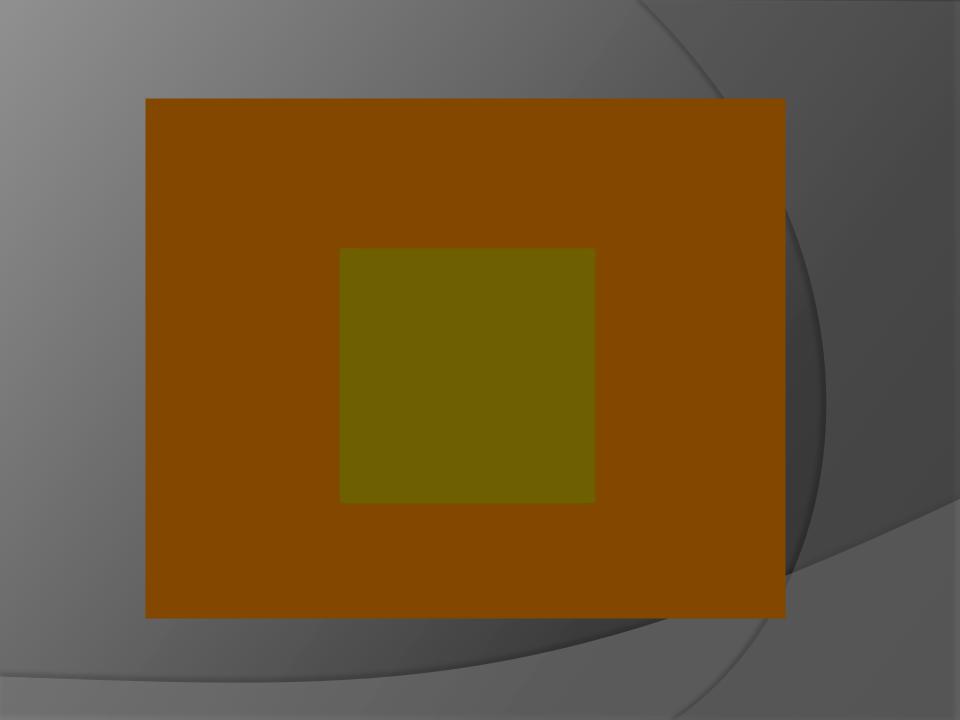




is relative

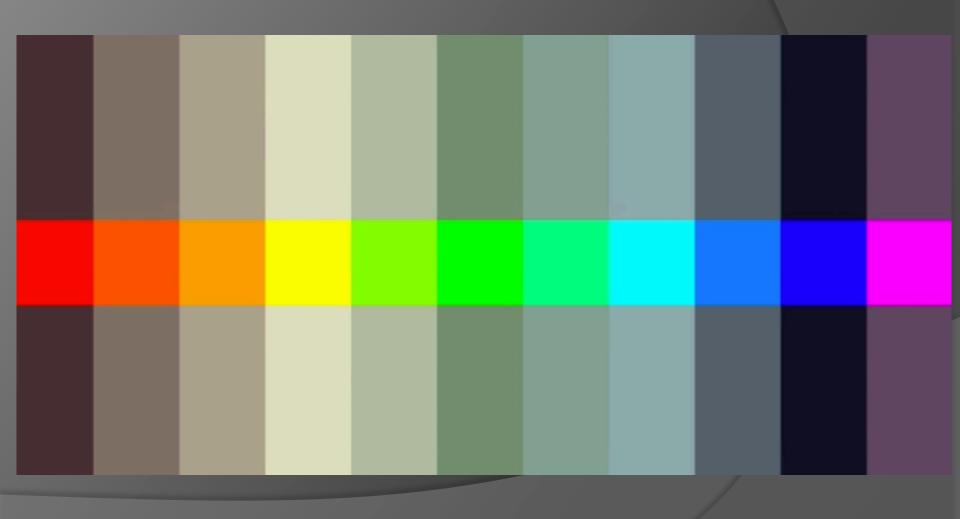






saturation

Saturation is Relative



Desaturated text doesn't read well on a saturated color background unless there is a large value difference.

Saturated text on a de-saturated background reads ok. But could be improved with value.

Saturation sity.



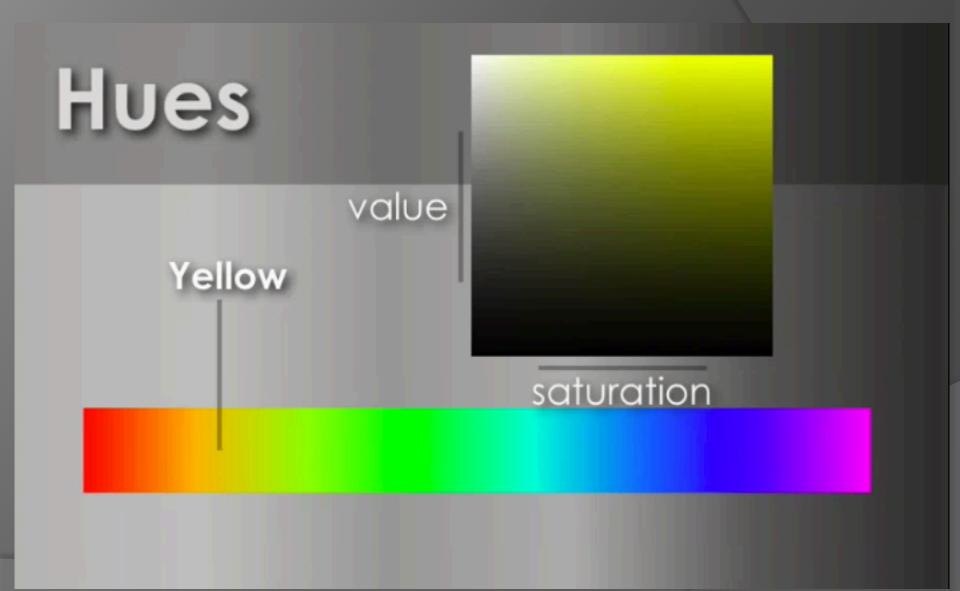
Value of color

Value of Color

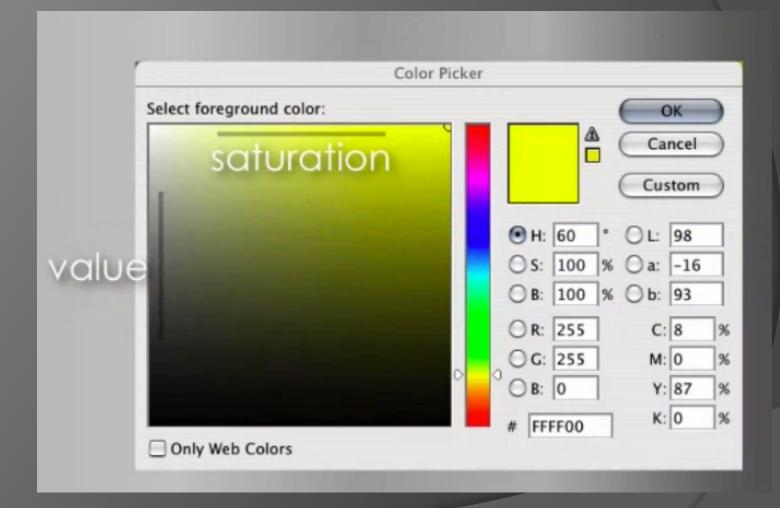
Value of color



Each Hue's Value and Saturation



Pick color in adobe.



Hues with the same value,
Difficult to read for color blind

can you read?

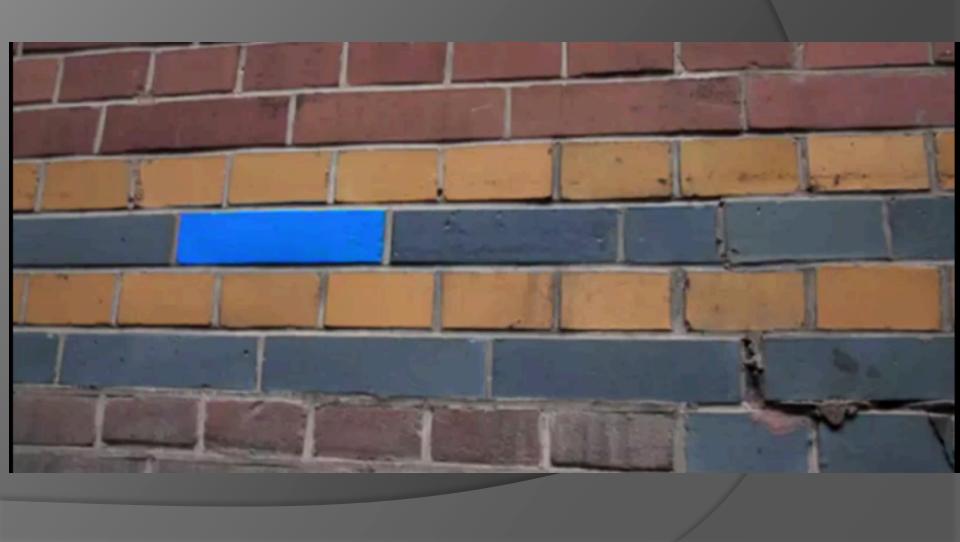
Convert to just value, same grey.

Now with contrast and outline, much better.

can you read?

Controlling the viewers eye.

Controlling the viewers eye.



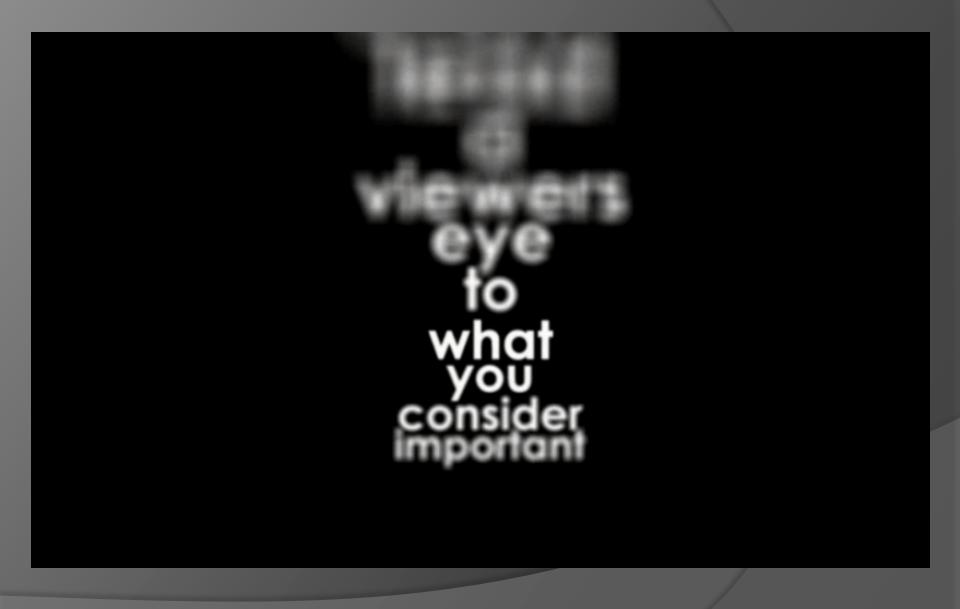
Controlling the viewers eye.



Learned from photography, depth of field, create focal point



Create focal point



Create focal point: color/value/saturation/focus



Create focal point: color/value/saturation/focus



Create focal point: color/value/saturation/focus



Work with color, large to small

When picking colors, start with the largest object, as it set the color theme.

Then work with the next largest object...

Explore color relationships

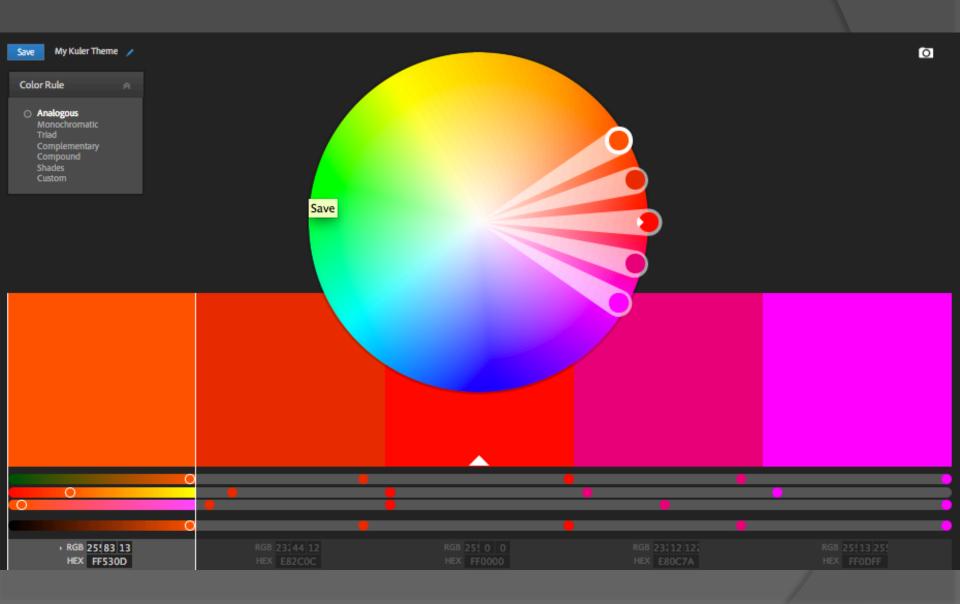
There is no such thing as a good color.

There are only good color relationships.

Four commonly used color-harmony rules

- Analogous (similar, related)
- Monochromatic (of a single hue)
- Complementary (When placed next to each other, they create the strongest contrast and reinforce each other.)
- Triad (A triadic color scheme uses colors that are evenly spaced around the color wheel.)

kuler.adobe.com

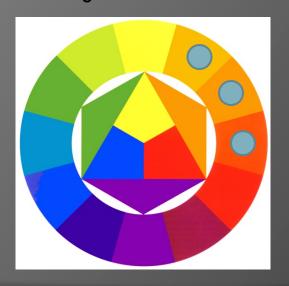


Analogous





Analogous





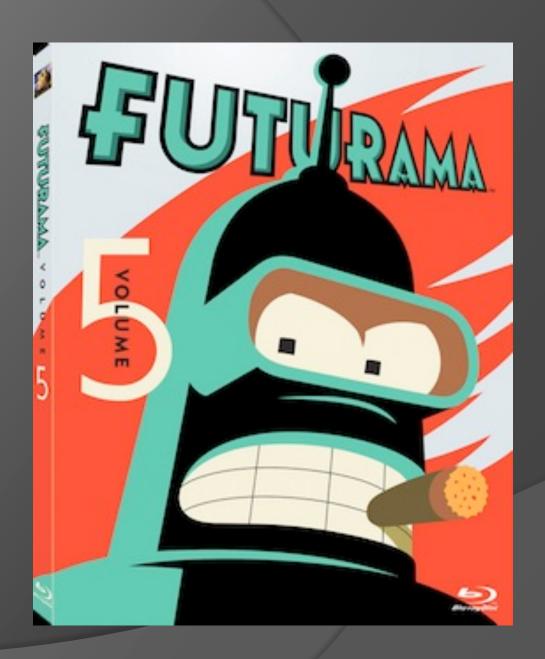
Analogous





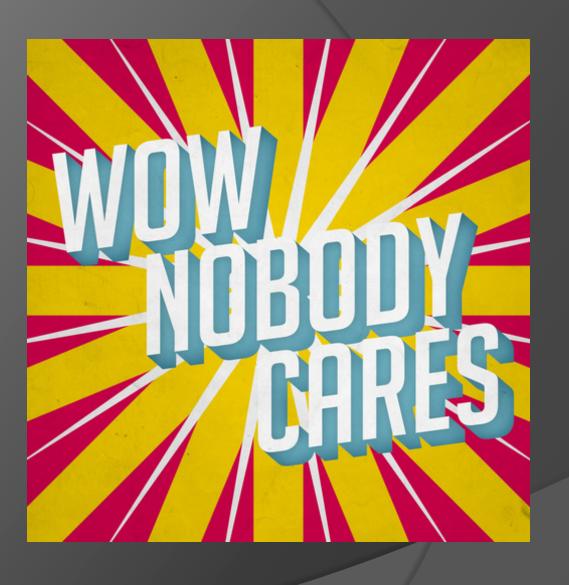
Complementary





Triadic





Color Associations

- Red
- Blue
- Green
- Yellow
- Orange
- Black



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Red

- Red is the color of fire and blood
- It is associated with energy, war, danger, strength, power, determination as well as passion, desire, and love
- Red is a very emotionally intense color.
- It enhances human metabolism, increases respiration rate, and raises blood pressure.
- It has very high visibility, which is why stop signs, stoplights, and fire equipment are usually painted red.

Red

Red brings text and images to the foreground

- Use it as an accent color to stimulate people to make quick decisions
- it is a perfect color for 'Buy Now' or 'Click Here' buttons on Internet banners and websites.
- Light red represents joy, sexuality, passion, sensitivity, and love

Red

Pink

 signifies romance, love, and friendship. It denotes feminine qualities and passiveness

Dark red

 is associated with vigor, willpower, rage, anger, leadership, courage, longing, malice, and wrath

Brown

suggests stability and denotes masculine qualities

Reddish-brown

is associated with harvest and fall

Bobbejaanland

maak uw keuze faites votre choix make your choice wählen Sie

flash

(extended version)



(standard version)



Yellow

- Yellow is the color of sunshine. It's associated with joy, happiness, intellect, and energy
- Yellow produces a warming effect, arouses cheerfulness, stimulates mental activity, and generates muscle energy
- Bright, pure yellow is an attention getter, which is the reason taxi, cabs are painted this color

Yellow

- When overused, yellow may have a disturbing effect; it is known that babies cry more in yellow rooms
- Yellow is seen before other colors when placed against black; this combination is often used to issue a warning

Yellow

- Dull (dingy) yellow
 - represents caution, decay, sickness, and jealousy
- Light yellow
 - is associated with intellect, freshness, and joy





Orange

- Orange represents enthusiasm, fascination, happiness, creativity, determination, attraction, success, encouragement, and stimulation
- To the human eye, orange is a very hot color, so it gives the sensation of heat
- Life jacket orange

Orange

- Orange increases oxygen supply to the brain, and stimulates mental activity. It is highly accepted among young people.
- As a citrus color, orange is associated with healthy food and stimulates appetite.
- Orange is the color of fall and harvest
- Orange has very high visibility, so you can use it to catch attention and highlight the most important elements of your design. Orange is very effective for promoting food products and toys

Orange

Dark orange

can mean deceit and distrust

Red-orange

 corresponds to desire, sexual passion, pleasure, domination, aggression, and thirst for action

Gold

 evokes the feeling of prestige. The meaning of gold is illumination, wisdom, and wealth. Gold often symbolizes high quality



Green

- Green is the color of nature. It symbolizes growth, harmony, freshness, and fertility.
 Green has strong emotional correspondence with safety
- Green has great healing power. It is the most restful color for the human eye
- Green suggests stability and endurance.
 Sometimes green denotes lack of experience

Green

- Use green to indicate safety when advertising drugs and medical products
- Green is directly related to nature, so you can use it to promote 'green' products
- Dull, darker green is commonly associated with money, the financial world, banking, and Wall Street

Green

Dark green

is associated with ambition, greed, and jealousy

Yellow-green

 can indicate sickness, cowardice, discord, and jealousy

Aqua

is associated with emotional healing and protection

Olive green

is the traditional color of peace

The FeedRoom

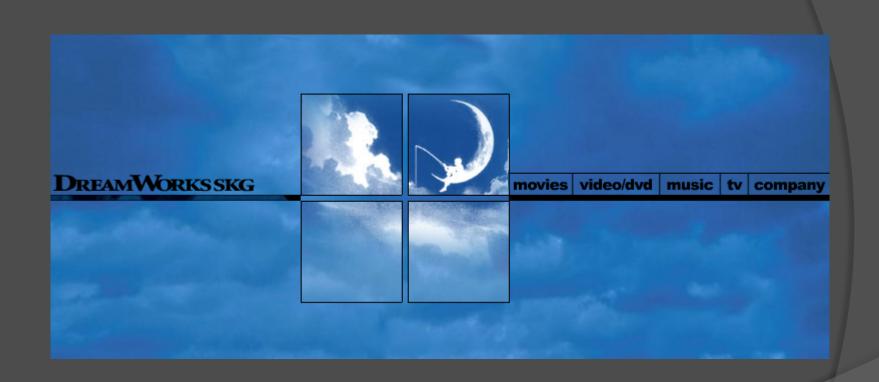
ENTER

NEED HELP?

ABOUT The FeedRoom

ADD TO FAVORITES

PRIVACY POLICY



- Blue is often associated with depth and stability.
- It symbolizes trust, loyalty, wisdom, confidence, intelligence, faith, truth, and heaven
- Blue is considered beneficial to the mind and body. It slows human metabolism and produces a calming effect.
- Blue is strongly associated with tranquility and calmness

- You can use blue to promote products and services related to cleanliness (water purification filters, cleaning liquids, vodka), air and sky (airlines, airports, air conditioners), water and sea (sea voyages, mineral water)
- As opposed to emotionally warm colors like red, orange, and yellow; blue is linked to consciousness and intellect. Use blue to suggest precision when promoting high-tech products

- Blue is a masculine color; according to studies, it is highly accepted among males.
- Dark blue is associated with depth, expertise, and stability;
- it is a preferred color for corporate America
- Avoid using blue when promoting food and cooking, because blue suppresses appetite.
- When used together with warm colors like yellow or red, blue can create high-impact, vibrant designs; for example, blue-yellow-red is a perfect color scheme for a superhero

Light blue

 is associated with health, healing, tranquility, understanding, and softness

Dark blue

represents knowledge, power, integrity, and seriousness



8 E

Darwin Digital Media Services provides your company a depth and breadth of media experience and expertise unparalleled in the Interactive industry. We specialize in media integration strategies that leverage a full range of Interactive, traditional, and convergence media to get your message through.

We believe in a multidisciplinary approach to media. At the center of our proven methodology is a team of talented individuals with diverse skills and backgrounds, committed to developing the industry's most innovative cross-media marketing solutions.

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Purple

- Purple combines the stability of blue and the energy of red. Purple is associated with royalty
- It symbolizes power, nobility, luxury, and ambition. It conveys wealth and extravagance
- Purple is associated with wisdom, dignity, independence, creativity, mystery, and magic

Purple

- According to surveys, almost 75 percent of pre-adolescent children prefer purple to all other colors.
- Purple is a very rare color in nature; some people consider it to be artificial
- Light purple is a good choice for a feminine design. You can use bright purple when promoting children's products

Purple

- Light purple
 - evokes romantic feelings
- Dark purple
 - evokes gloom and sad feelings. It can cause frustration



Support

Home Products Ser Home > Mobile Internet

Services

M-Commerce



stay cool

Technologies

Mobile security from Ericsson. Worry-free mobile transactions.

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Market Moves

- Durlacher says that by 2003, the European mobile e-commerce market will be worth US\$23 billion.
- More than one million bank transactions per day are enabled over Ericsson WAP systems.
- Ericsson is driving m-commerce standards through the <u>Mobile Electronic</u> Transactions (MeT) initiative.

Money on the move

The Internet is transforming the way we shop and manage our finances. Mobile Internet will revolutionize it, with mobile commerce transaction capabilities that are simple and secure.

- Never have the right change for the parking meter? Mobile Internet will handle it.
- ::: Forget to pay bills on time? Mobile Internet can tell us when they're due, and let us pay them instantly, wherever we are.
- ::: Trips to the grocery store take too long? Mobile Internet will guide us to the things we want, and then pay electronically at the check-out.
- Always seem to trade stock at just the wrong moment? Mobile Internet offers the latest stock tips, shows us how our portfolios are performing, sends alerts and enables on-line trading — at the right moment.

With Mobile Internet, our mobiles become wireless wallets, enabling us to pay for things, securely and conveniently. No need for wads of cash, or piles of plastic — we'll use our mobiles to pay in stores or on-line.

And with anytime, anywhere access to banking and share dealing services, Mobile Internet can help us get smarter about managing our money.

Technology Focus

Ericsson Mobile e-Pay is a solution for easy-touse, secure and flexible mobile transactions and payments.

Search

··· > Mobile e-Pay

Ericsson recently introduced the first digital signature for secure mobile commerce using WAP phones.

··· > Secure mobile commerce

Technologies

- ---> 3G
- ··· » Bluetooth
- ··· > WAP

Demos

- ··· Mobile Commerce
- ··· Mobile Stock Trading
- ··· > WAP Simulator

Games

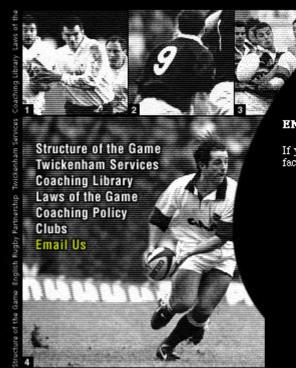
- · · · Mobile Stock Trading
- ··· Ground Zero

White

- White is associated with light, goodness, innocence, purity, and virginity
- It is considered to be the color of perfection.
- White means safety, purity, and cleanliness.
- You can use white to suggest simplicity in high-tech products
- White is an appropriate color for charitable organizations; angels are usually imagined wearing white clothes







Youth Rugby

CLUB INFORMATION

EMAIL US

If you would like to know more about any of the Twickenham facilities or how to enrol in Rugby Union, please <u>email us</u>:

At Twickenham Club Information The RFU 1997/98 Season Scrumdown

Black

- Black is associated with power, elegance, formality, death, evil, and mystery
- Black is a mysterious color associated with fear and the unknown (black holes)
- Black denotes strength and authority; it is considered to be a very formal, elegant, and prestigious color (black tie, black Mercedes)
- Black contrasts well with bright colors. Combined with red or orange - other very powerful colors black gives a very aggressive color scheme