19 Black, White and shadows

Monday, March 8, 2021 10:51 PM

Today:

Universal Principles of Design:

Black, White effects

Sketching: shading in 2 point perspective

Friday Color Nomenclature

Digital, photoshop

Pantone https://en.wikipedia.org/wiki/Pantone

Additive/subtractive physics

Anonymous Mid-Semester Check-In

Very short, 3 questions: What is going well, what needs to change, other comments? https://cuboulder.gualtrics.com/jfe/form/SV bBE1W71TkFdDcMt

Volunteer for Interview - Hugh Scribner

Universal Principles of Design (UPDes)

Book and video series, available on Linked In Learning

Universal Principles of Design

Black effects White effects Red effects Reinforced by culture, certainly White is death in Asian cultures

Tech equipment
Wallets
Furniture, black leather
TVs, screens, black border
Tuxedo, most classy
Social media have dark mode
Or be colorful, more approachable
Sunglasses, authority,
Police uniforms, authority
Firefighter uniforms
Black face masks, more official

White effects
Health = white eyes and teeth
Bones are white, associated with death
Villains in white = Star Wars stormtroopers, although
ubervillains are in black
South America, Santerians wear white. Religion around
spirits, witchcraft
KKK wore white sheets to mimic ghosts

Yes, sports teams use this.

Graphic design: Yes, logos start B/W.

Most electronics are black Apple tends to use white more White: Same product effects.

No white superhero costumes X Moon Knight, Emma Frost, Dagger, Princess Leia

White wearing villians more common? To be misleading

https://www.linkedin.com/learning/universal-principles-of-design/red-effects?u=42275329

There are also yellow, green and blue effects, but are more culturally situated.

Inappropriate: Red for skin tone

Red is romantic, so inappropriate for condolences.

Red is thought to affect appetite. Food packaging, and fast food restaurants.

Why aren't all products black? Kira's question

Not all products want "timeless, high value". Kids products Don't want to lose them when dropped Hard to find things in black bags Black shows pet hair Color can be more interesting than black or white Black is not perceived as comfortable; linens for example Some companies have specific brand colors CU = silver and gold, but has black in logo

Previous answers

Might want product to seem like a bargain; signals different price

Not everything should be aggressive; toilet paper. Red would also be bad.

Kids love colors, don't care about slim or sleek

Not practical: would absorb all light; Hard to find black things in the dark.

Would be hard to differentiate.

Black lacks personality

Black clothes are hot

Isn't always functional; heat absorption, tracing transparency

Might not be functional. Outdoor equipment can get lost.

Hard to see in the dark

Hard to photograph

Hard to keep clean (cars, stovetops). Harder to perceive form.

Black is too common; wear a color to stand out

Water bottles maybe better in blue, other connotations.

If everything was black, would lose dominance, high value perception

Signals unapproachability

May not match sense of identity; aggressive, authority, threatening

Don't always want to signal power, aggression

Lack of contrast is not appealing; Need other colors for contrast

Other colors can create a tiered pricing structure for broader marketing

Colors can affect other moods, emotions

Humans like color too
 Doesn't allow full range of expression
 Want to portray more fun in a different color. Black is not a loud color Black is depressing
 Black is the color of death.

Summary:

White effects: White = good, light. Timeless, high-value

Black effects: Black = serious, aggressive, threatening. Timeless, high-value

Shadow in 2 point perspective

Three levels of rigor:

- 1) Assume diffuse light, and shade undersides. Guess at shadow outline, fade edges of shadow.
- 2) Assume sunlight, parallel light. Draw parallel lines from each corner, guess at intersection with ground plane (Sketching: The Basics method). Violates 2 point perspective, however.

SKETCHING THE BASICS

2.2.3 Shading and Cast Shadow

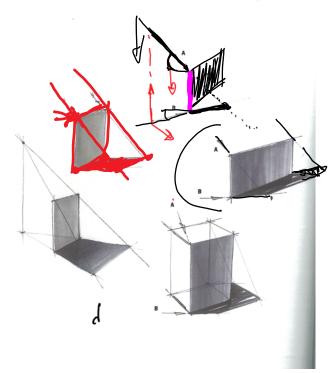
Shading is used to emphasise the volume of an object, and to position it in its surroundings.

Shading refers to the differences in darkness of the object's sides, as related to a light source. Cast shadow is the projected shadow onto a surface.

In general, parallel light (sunlight) creates an effective cast shadow. One point light (lamp light) often does not show an appropriate cast shadow. It can create a shadow that is not related to the object's perspective. It is more difficult to construct and less predictable. Cast shadow from a parallel light source is easier to predict and perceived as realistic.

Choosing a direction of the light source is done by two lines: the actual light direction or 'slope' A, and the projected light direction B. Imagine a parallel light source just over your left shoulder. It will have a relatively steep slope A, and B will point slightly towards the upper right.

All the actual light directions (slopes A) in a drawing can be drawn parallel, and all projected light directions will slightly converge.



Construct Shadow Vanishing Point: https://thevirtualinstructor.com/how-to-draw-paint-cast-shadows.html However, only works for light behind object



