

Attributes of Color



3 principle attributes of color

- **Hue** – specific wavelength from spectrum
- **Value** – lightness or darkness of a color
- **Saturation** – purity, intensity, or chroma

Gray – Neutral, lacking color
Achromatic
Colors & Hues are chromatic



Descriptive colors names help identify:

Tints (color mixed with white)

Tone (color mixed with gray)

Shade (color mixed with black)


A tint of red is a more descriptive way of saying pink.

Pigment names refer to the mineral they came from. Yes, they contain that toxic thing.



Base Hue:

- the hue from the spectral hues a color is derived from
- all colors can be traced back to the base 12 step wheel



The screenshot shows a digital color selection tool. At the top left is a circular hue wheel with a white pointer. To its right is a text input field containing "Copy of Sunshine in rain" and a "Save" button. Below the title field is a "Tags" input field with the text "atmosphere cloudiness grass gray green rain sunshine weather wind yellow". To the right of the tags is a "Public/Private" toggle with "Public" selected. Below the title and tags is a horizontal color bar with a yellow-green gradient and a triangle slider. Below this is a row of three color swatches: a bright yellow, a light green, and a medium green. The first swatch is labeled "Base Color" and has a "Set as Base" button (a circle with a dot) and a "Remove Color" button (a square with an X). Below the swatches are three horizontal sliders with colored bars and triangle markers, used for adjusting color properties.

Value

Perceptible light levels of light and dark

Tints (color mixed with white)

Tone (color mixed with gray)

Shade (color mixed with black)

Inherent value: light or dark value of pure hue

Yellow = light

Violet = dark



Sometimes...

you have to value key your composition.

Value Key: when all colors are brought to the same degree of light or dark

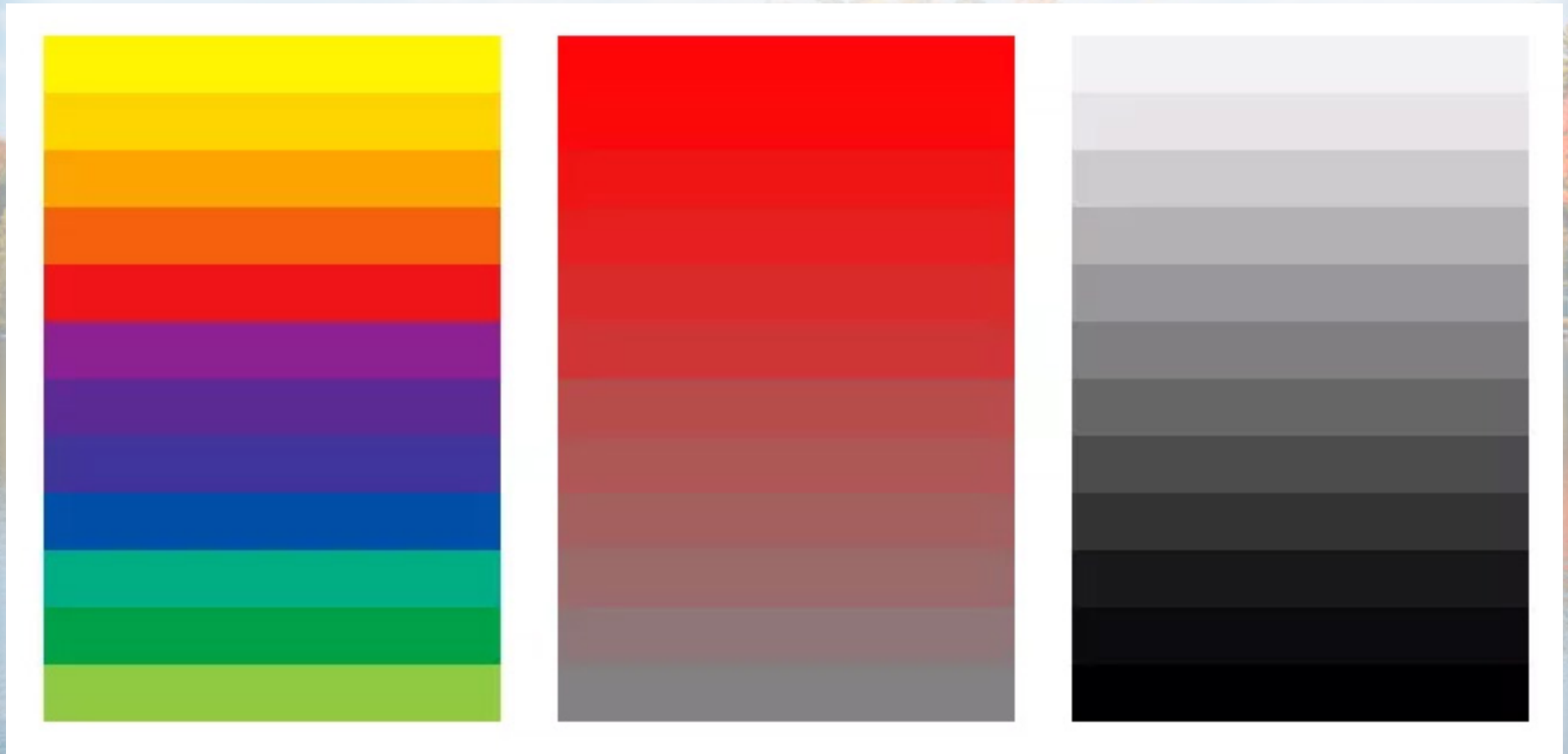


Saturation

The purity or intensity of a color

The more colors are mixed, the lower the saturation

Appear dull



There are 4 ways to manipulate color saturation:

1. Add neutrals (black, white, gray)
2. Mix compliments
3. Overlay transparent colors
4. experimental mixing

