

Color Theory Blog #6

1. How many value squares does the Hue Red share with the Hue Green?

Both the Hue: 5R (Red) and Hue: 5G (Green) charts share the exact same 7 value levels:

- **8/** (Lightest)
- **7/**
- **6/**
- **5/**
- **4/**
- **3/**
- **2.5/** (Darkest)

2. How many value squares does the Hue Purple share with the Hue Yellow-Red?

Hue: 5P (Purple) and Hue: 5YR (Yellow-Red), the two hues share 6 value levels that contain color squares:

- **8/** (Lightest)
- **7/**
- **6/**
- **5/**
- **4/**
- **3/**

The Purple chart includes a **2.5/** (Darkest) level that is completely blank on the Yellow-Red chart.

3. How many value squares does the Hue Blue share with the Hue Yellow?

Hue: 5PB (Purple-Blue) and Hue: 5Y (Yellow), the two hues share 6 value levels that contain color squares:

- 8/ (Lightest)
- 7/
- 6/
- 5/
- 4/
- 3/

The Blue chart includes a **2.5/** (Darkest) level that is completely blank on the Yellow chart.

4. Please define in your own words what affinity and contrast mean when it comes to color theory?

In color theory, affinity means, how similar colors can be to one another, creating a calm and combined look by taking away differences in their hue, brightness, or intensity. On the other hand, contrast is the use of extreme differences, like placing a very light color next to a very dark one, to create a bold, animated effect that makes it stand out.

5. Define Value.

In color theory, “Value” refers to the *relative lightness or darkness of a color*. On the Munsell charts we used for questions 1-3, this is the vertical scale where 8/ represents the lightest colors at the top and 2.5/ represents the darkest colors at the bottom.

6. What is another term for ‘Value?’

Another common term for Value is Lightness or Luminance. It refers to how light or dark a color appears on a scale from white to black.

7. Which hue on the color wheel is the brightest in value?
In color theory, Yellow is the hue on the color wheel that is naturally the brightest in value.

8. Which hue on the color wheel is the darkest in value?
In color theory, Purple (or Violet) is the hue on the color wheel that is naturally the darkest in value.

9. If you add white to a hue, what does it do to its value?
Adding white to a hue increases its value, making the color lighter.

10. If you add black to a hue, what does it do to its value?
Adding black to a hue decreases its value, making the color darker.

11. Who is Albert Munsell?
Albert Munsell was an American artist and professor who created the Munsell Color System, one of the first systems to organize color based on scientific measurements rather than just names.