

What to expect: Color II

During the last week you investigated different mechanisms which produce the colors we see. You learned that white light contains all colors or frequencies in equal proportions, and that we could perceive color as an imbalance in the visible spectrum reaching our eyes.

The genius of an artist intuitively masters the art of mixing colors and what emotion they may create with a spectator.

During this week we want to take a different approach and learn about systematics of mixing color, which for example results in the color wheels you may find e.g. in paint stores.

We will talk about the additive mixing of colors, which is actually the mixing of light as it is e.g. done on your computer screen when you bring up color documents. We will also talk about subtractive mixing of colors, which is the mixing of paint. And finally, to make it really sophisticated, we need to talk about why we experience certain colors when we shine colored light on a colored surface.