

**p5.js visual pattern:** <https://editor.p5js.org/luluzhu9/full/FP6tuY6Vx>

**Problem:** Understanding and using colorMode(HSB)

When I was first looking into using the HSB color mode to demonstrate the variations of color, I was confused on how to use it. It seemed intuitive in the docs and I understood that it represented hue, saturation, and brightness but it wasn't clicking in my head.

I tried colorMode(HSB) at first which created a very bland visual pattern. The rhythms were interesting but the color simply shifted from red, orange, yellow, green and then reversed. I tested some different numbers, and saw that 256 created a dull color scheme that transitioned into a vivid color. This pattern would reverse and repeat. Since the maximum for saturation and brightness is 100, when I set HSB(256) I was able to see the entire depth of brightness and most of the hues since its maximum is 360. I was able to resolve my confusion by researching how exactly HSB worked and testing it live in p5.js.