Additive Color Mixing Recording sheet

Predict: What color do you expect to be produced from each of the following light combinations?

Red and green light: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Red and blue light: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Green and blue light: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Red, green, and blue light: \_\_\_\_\_\_\_\_\_\_\_\_

Gather data: What color is produced from each of the following light combinations?

Red and green light: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Red and blue light: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Green and blue light: \_\_\_\_\_\_\_\_\_\_\_\_

Identify: A secondary color is produced when two primary colors are mixed. The names of the secondary colors are yellow, cyan (blue-green), and magenta (pinkish purple).

Analyze: Colored lights are called additive colors.

Why do you think this is so?

Question: What color do you get when you mix the three primary colors (RGB)?