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<http://simbucket.com/coloraddition/>

Part I - COLOR BY ADDITION OF LIGHT

Adjust the intensities of the light bulbs to make the colors listed below. Use percentages to show what the slider was set at for each colored light to produce the color seen by the man. (White has been done for you.)

1) Red, green, and blue are commonly referred to as the primary additive colors and are used in TV screens and computer monitors. Addition of varying amounts of these primary additive colors generate the enormous variety of colors that can be displayed. You can see these primary colors by placing small lenses on the screen (i.e. sprinkle a few small drops of water on the screen. Please do no spit on the screens).

	Red Light	Green Light	Blue Light
Red			
Blue			
Green			
Cyan			
Magenta			
Yellow			
White	100%	100%	100%
Grey			
Black			
Orange			
Purple			
Brown			

1) If the red bulb in the TV were to go out, name four colors that you would not be able to view.

2) If the red bulb is fixed, list 4 colors that will not be seen go out if the blue bulb breaks.

3) If the blue bulb is fixed, list 4 colors that will not be seen go out if the green bulb breaks.

4) While watching the Simpsons, you notice that Homer's skin color is red, which bulb/bulbs are out?

5) Fill out the color wheel to the right for light (color by addition)

