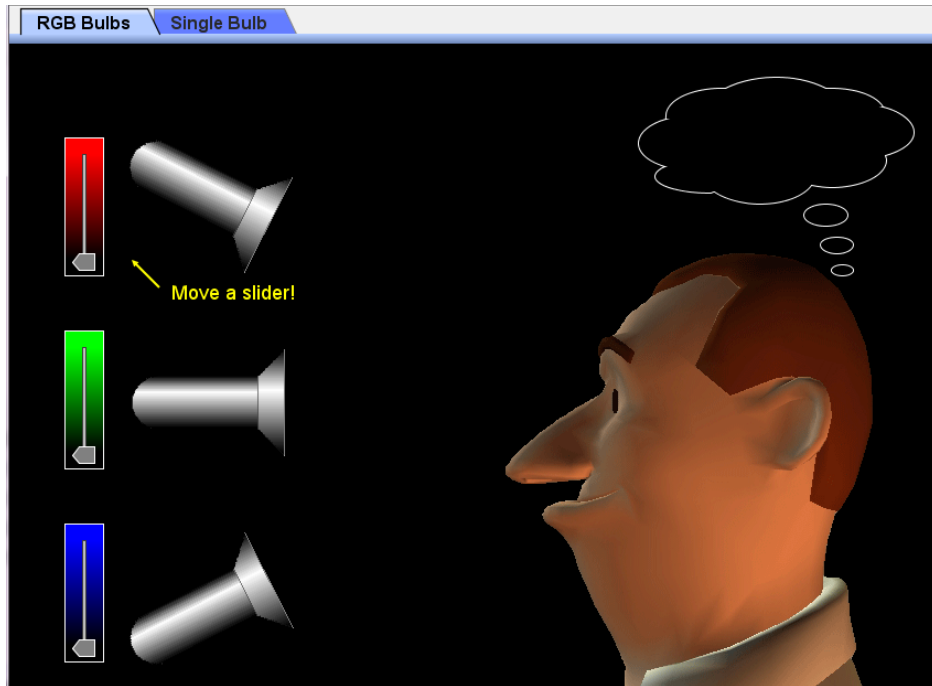


Interactive: Addition and Subtraction of colours

Open the [Color vision](#) interactive on BC ([you will need a laptop](#)). Explore what the 'no-chin' man sees when different colours are added.



What colour combinations are needed for him to see:

Red	
Yellow	
Magenta	
White	
Black	
Cyan	

Switch to the **Single Bulb** tab and explore what effect different filters have.

1. What happens to the light when a red filter is used?
2. What happens when a yellow filter is used?
3. If an object appears white in sunlight what colours is it reflecting?
4. If an object appears blue in sunlight what colour is it reflecting? And what happens to the other colours?
5. If an object appears black in sunlight what colours is it reflecting?

Extension questions: Why do the light sources show light travelling as dots? What do physicists call these dots?