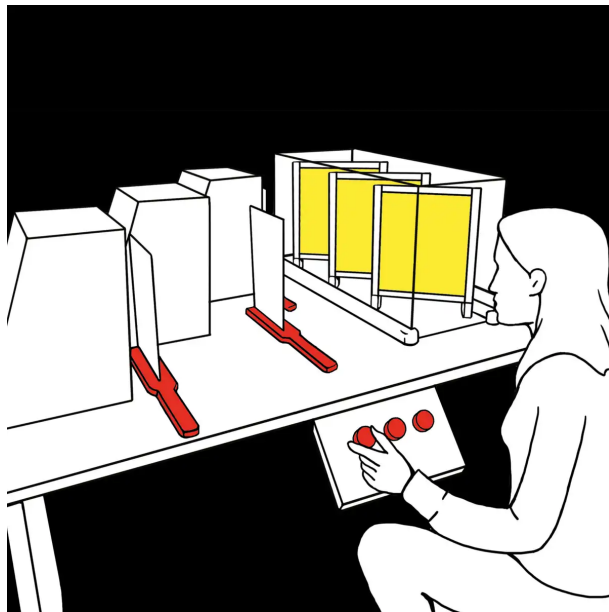


# Green Lips

Can you change the colour of the woman's lips?



See three images become one by placing each coloured filter in front of the box of the same colour.

Look through the viewer and turn the knobs to adjust the light levels of the boxes.

Turn all three knobs clockwise so the boxes are as bright as possible. Do you notice any colour changes in the viewer when you place your hand between a coloured filter and the mirror across from it?

What colour is the woman's lips when you switch the red and green filters?



The colours you see here depend on how red, green, and blue light mix. In this exhibit, red, green, and blue light pass through the coloured filters and then combine, forming the colours you see in the image. When you switch the filters, or adjust how much light passes through them, you change the way the colours mix. This can create strange combinations of colour, such as the woman with the green lips.

To experiment further, try putting the filters in a new order, or removing one or two of them. You might also try placing your hand in front of the light boxes. What else can you discover?