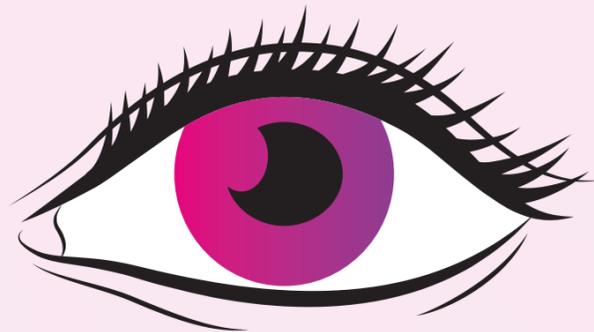


# MESS WITH YOUR HEAD 4

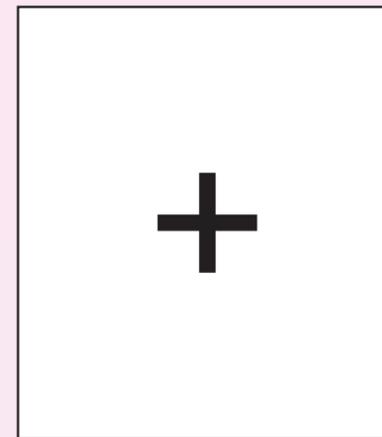
## The Negative After Image

### THE EXPERIMENT

1. Stare at the red dot on the end of the secret celebrity's nose for 30 seconds!



2. Stare cross on the white piece of paper and keep blinking!!!



### QUESTION

What do you see?

TRY IT AGAIN...

This time, stare at the image for longer?  
Is the image even clearer?

### WHAT'S GOING ON?

In your retina the signals from your cone cells that detect colour work via the Opponency Process. The colours Red & Green are paired together, as are Blue and Yellow. We see different colours by stimulating these cells in different amounts. It works by stimulating some cells and inhibiting others in the pairs we have mentioned.

So if we look at a red square, the red cells are stimulated and the green inhibited. If we look at a red square for long enough, these cells get tired and stop firing effectively.

When we look away from from the red colour, the opposite colour cones are interpreted as firing and we see that new colour... in this case green.

On the negative image we used, it had the right mix of colours to tire out the right combination of the opposite colours to the correct colours!! So when we look away and blink we see the after image with the correct colours as these are the ones interpreted by your brain as firing!