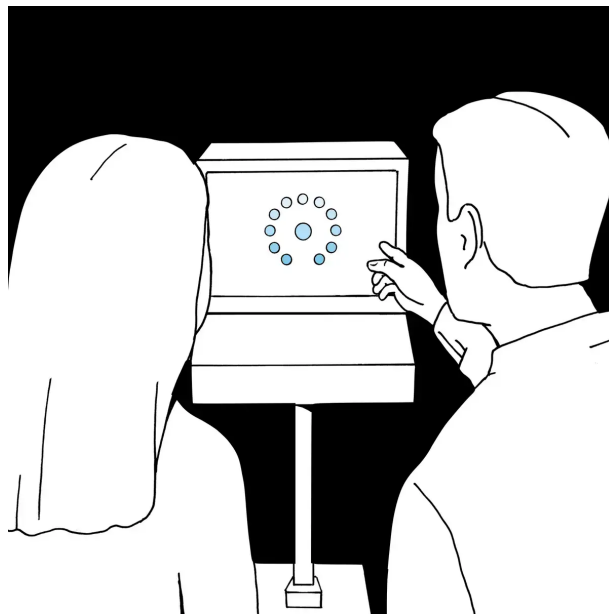


Disagreeing about colour

Which outer dot matches the center colour best?



Compare the center dot with the outer dots.

Ask another person which of the outer dots best matches the center colour.

Turn back 10–15 feet and look again at the dots. Do the same dots match?

Each of the outer dots contains a different mixture of red and green light. Most people will find only one or two dots that look like the center dot. But different people will perceive colours differently: Some people will see a match between colours that you think are very different. That's because no two people's eyes contain identical sets of cones, the light sensitive cells that allow you to see colour.

Even on your own retina there are areas that lead to different colour impressions. Therefore, a colour can appear different from a distance than when viewed up close.