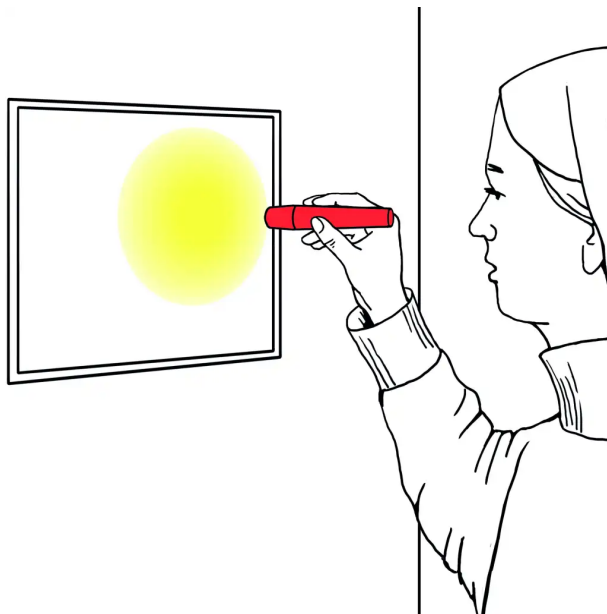


# Monochromatic room

What colours can you see in red light?



Look at the objects and pictures in red light.

Which colours can you recognize?

Then look at the objects and pictures in the white light of the flashlights.

Are all the colours as you expected them to be?

Depending on their colour, the surfaces of the objects and pictures reflect certain parts of the light. You perceive this reflected light with your eyes. However, the objects can reflect only those colours with which they are illuminated. Because the white light of the flashlight contains all colours of the light spectrum, you see the objects and the pictures in all colours. With the red LED light, you can only see the red tones of the objects and pictures. Other colours that would be reflected in the white light are missing. For example, blue or green surfaces appear almost black in the red light.