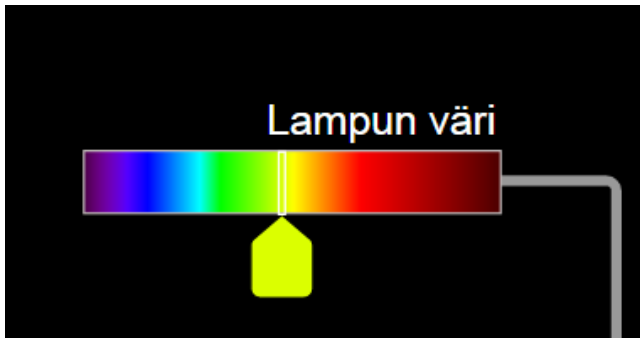
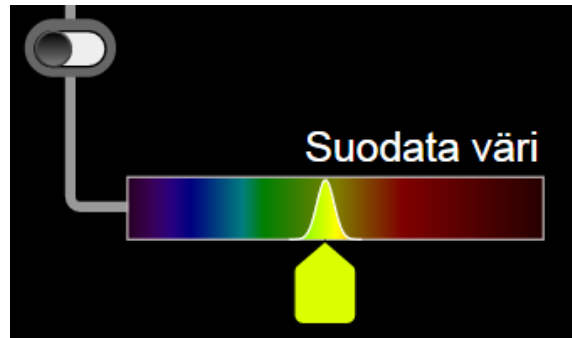


Humans and colours

Open the simulation: tinyurl.com/valonvarit

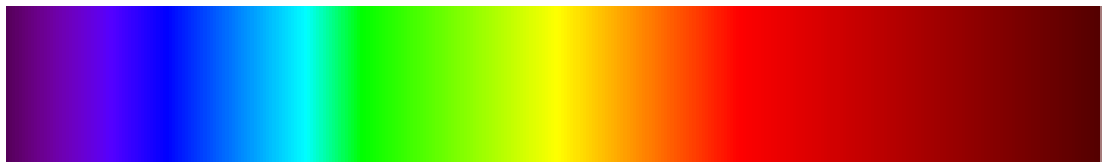


Adjust the lamp colour with the slider.



Adjust the filter colour with the slider.
Toggle the filter on or off using the button.

1. Name the colours in the spectrum of visible light.



↑
a.

↑
b.

↑
c.

↑
d.

a. _____

b. _____

c. _____

d. _____

2. Use the applet simulation to figure out the following.

a. **green** light + no filter = _____

b. **red** light + no filter = _____

c. **light blue** light + **blue** filter = _____

d. **red** light + **orange** filter = _____

e. **blue** light + **red** filter = _____

f. Which colours pass through a light green filter?

g. Which filters is orange light able to pass through?

3. Use the other side of the applet simulation to learn how the GRB colour system Works. By adding **R**ed, **G**reen and **B**lue light, you can form any other colour.
- a. Form the following colour.



punaista _____ %

vihreää _____ %

sinistä _____ %

- b. Form the following colour.



punaista _____ %

vihreää _____ %

sinistä _____ %

- c. Form the following colour.



punaista _____ %

vihreää _____ %

sinistä _____ %