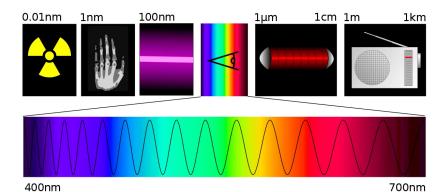
### Color vision. Additive and substractive model

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### Visible domain



(source: techno-science.net)

It's not possible to caracterise what each human can see and how! That's why we define this quantities:

- Intensity
- Radiance
- Luminance
- ► Brightness

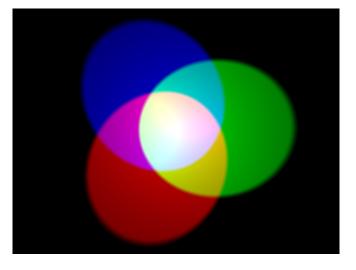
### Human and color vision: cones

To see the colors, humans have 3 types of cones:

- ► L-cones (65%)
- ► M-cones (33%)
- ► S-cones (2%)

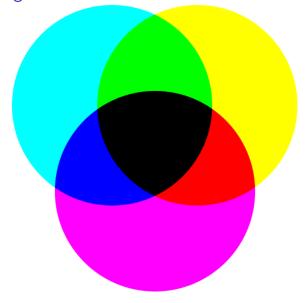
NB: There are more than 3 types of cones!

# Color mixing: additive model



(source: wikipedia)

## Color mixing: substractive model



(source: wikipedia)

### TV Standards?



Additive and substractive color mixing. . .