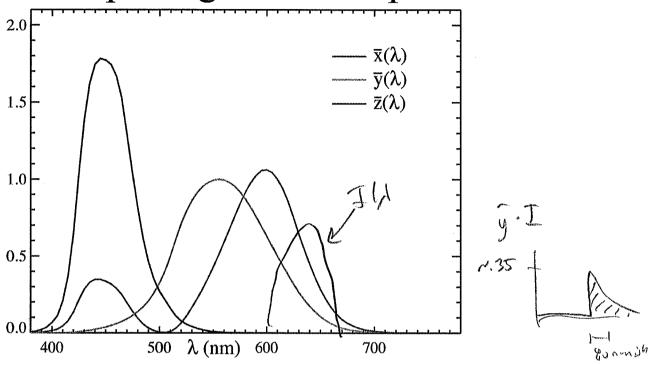
Color, part 1

-> See PPT file!

## Overlap Integrals: Example



$$X = \sum_{\gamma} \Im(\lambda) d\lambda \approx 10$$

$$Z = \sum_{\gamma} \Im(\lambda) d\lambda \approx 0$$

$$x = \frac{20}{10}$$

$$y = \frac{10}{30}$$

$$z = \frac{10}{30}$$

 $\mathcal{O}$ 

- $\rightarrow$  Note that x, y, and z are <u>not</u> independent
- $\rightarrow$  x and y completely specify color
- → Y specifies overall intensity (brightness)