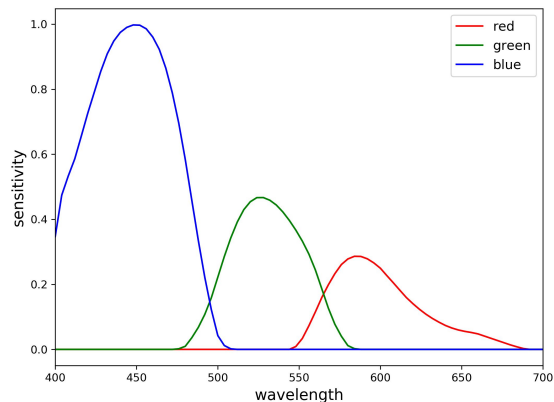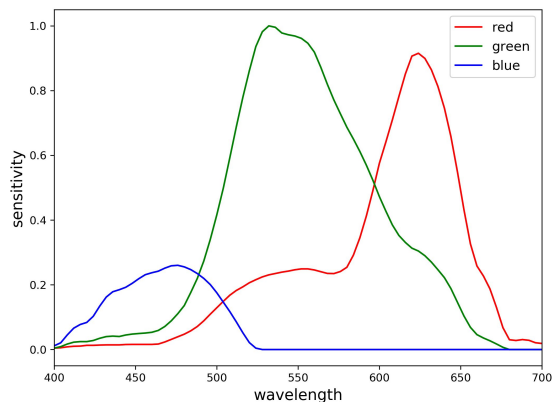# Activity 4 - Rendering Color
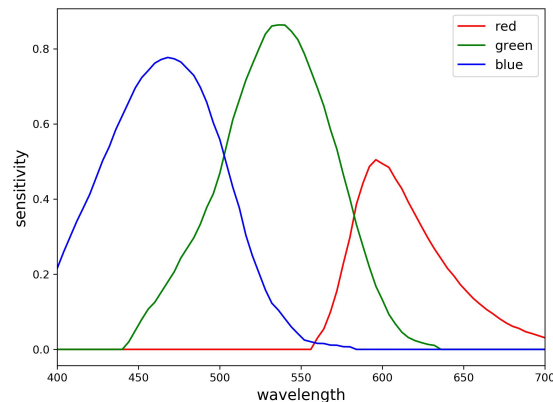
de Castro, Crizzia Mielle | 2015-08076
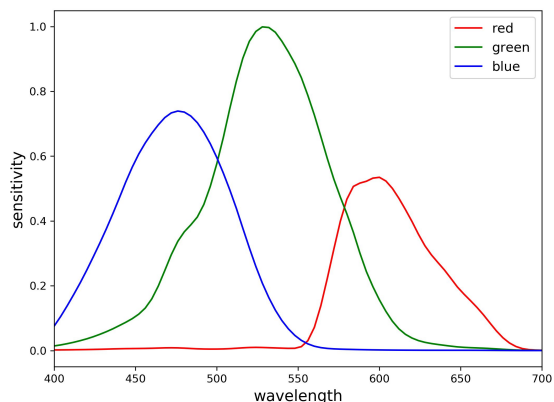
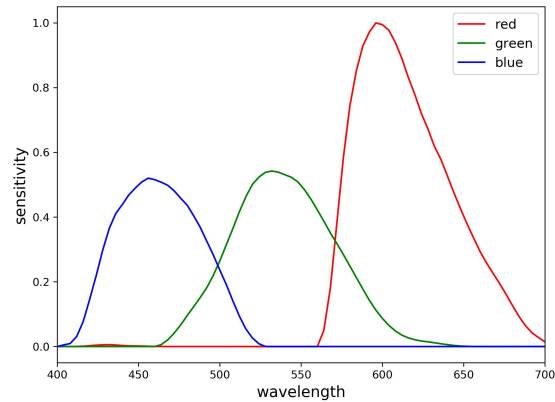# Spectral Sensitivity of Different Cameras
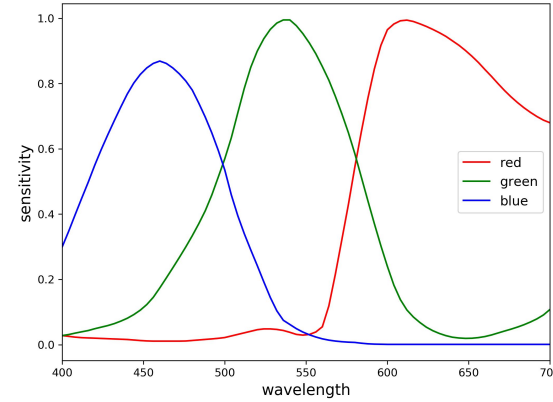

(A) SONY DXC 930

(B) KODAK DCS 420

(C) NIKON D1X

(D) CANON 10D

(E) CANON 400D

(F) Ladybug2

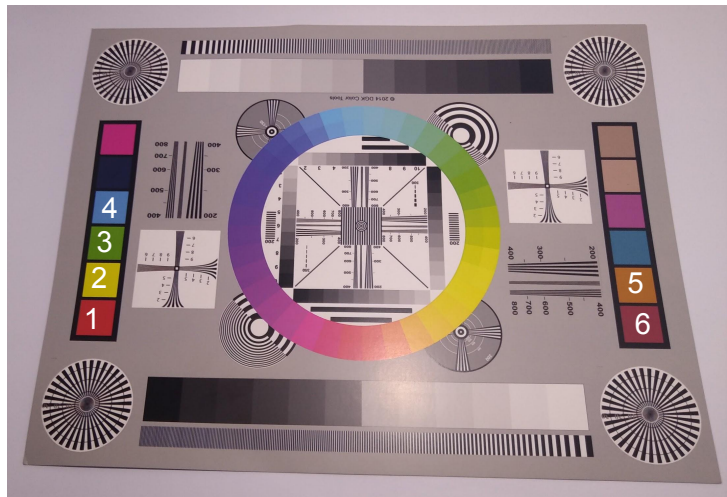# Comparison of Rendered Color of Color Chart for Different Cameras

The boxed colors show the camera rendering that are closest to the original. The sixth camera, Ladybug2 performs relatively well in rendering color compared to the others. I didn't include the other colors in the chart because their rendering were very far from the original in all six cameras.

original   A   B   C   D   E   F

Comparison of Rendered Color of Leaf for Different Cameras

red leaf   A   B   C   D   E   F

The rendered colors for the red leaf are close to the original except that the original is darker. Adjusting the brightness of the rendered color produces a closer rendering. We had data on a green leaf. Unfortunately, the rendered colors are not green. They are closer to violet, so I didn't present them anymore.

Comparison of Rendered Color for Macbeth Chart using Ladybug2

original

rendered

Comparison of Rendered Color for Macbeth Chart using Ladybug2

The rendered colors presented in the previous slide were still adjusted, because the initial colors obtained from the program were much smaller. A constant value was multiplied to the final RGB values to increase their intensity. The rendered colors are very close to the original, except for a few orange/pink colors (red boxes). This possibly because the spectral sensitivity of the Ladybug2 for the orange wavelength range (590-620 nm) is relatively low for the red and green channels.