Color
Visible Light Spectrum

Wavelength (nm)

Perceived as most luminous
Visible Light Spectrum

Spectroradiometers accurately measure the visible light spectrum
Human vision is three-dimensional
Our display systems are also three-dimensional

How do we find a display color that matches a person’s perception of a real-world object?
Notes on Color

Brown University Color Exploratory (including metamers app)
http://cs.brown.edu/exploratories/freeSoftware/catalogs/color_theory.html

Maureen Stone has a number of links, talks, etc. related to color, especially for information visualization
http://www.stonesc.com/

We followed her SIGGRAPH 2001 course notes, which can be downloaded from the course web page.

Her SIGGRAPH 2004 course notes are here: http://www.stonesc.com/signotes/

Also of possible interest:
Cinematic Color: From Your Monitor to the Big Screen (SIGGRAPH 2012)
http://s2012.siggraph.org/attendees/sessions/cinematic-color-your-monitor-big-screen