

VISUAL DISORDERS AND READABILITY

COLOR BLINDNESS

Color Blindness affects 1-5% of the total population at any given time, causing disintegration of colors (making objects, shapes, text appear gray or completely colorless).

When in doubt, consider readability. Use colors for distinction... Try to shy away from RED and GREEN when possible. These are the most dominant colors succumbing to color blindness.

Note: There are some individuals with color blindness to blue and sometimes yellow; however, the occurrence is so rare that most designers are inclined to ignore it.

LIGHT SENSITIVITY

Light Sensitivity/Over-Illumination is the presence of too much light or too much color - physically debilitating.

SYNESTHESIA

Synesthesia refers to sensory distractions which heighten or change the presence of colors.