

**Potential Problem:** Color blind people can't tell what values their resistors are and people who don't know the color code or don't have great vision have difficulty knowing the values in a short amount of time.

**Problem Statement:** Everyone who is colorblind and/or farsighted are unable to read the color codes on resistors since the 1920s, when the resistor color code was developed. For the US, about 60% of the population is farsighted and 1 in 12 men or 1 in 200 women are colorblind; this is a serious problem for people who work with color coded electric parts, mainly resistors.