

This is the schematic for my blinking project. To make each LED blink independently, I chose to build 3 circuits. Green, Yellow, Red LEDs all have toughly 1.8 V voltage drop To make my circuits safe and my LEDs bright, I need to calculate minimal resistance I'll need. V= 5V V= IX R V = IXR 3.2V=0.03 XR Volvop=1.8V 3.2V = 0.02x R Varauit = 5V-1.8V=3.2V R=10752 R=160,52 I=20mA desired current desired or above Imax = 30mA 1 closest to desired resistance. I choose to use 220 sz resistor for each circuit.