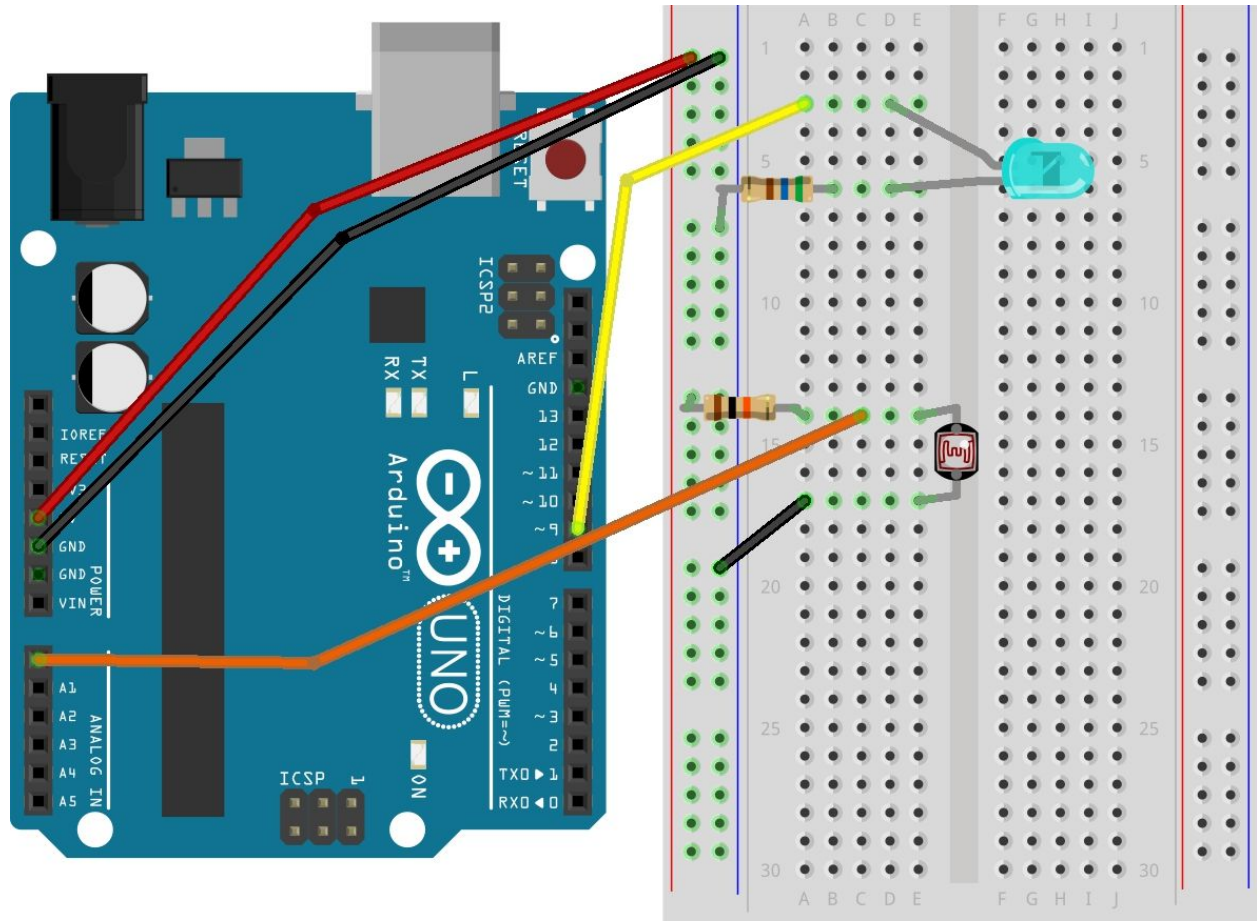


## LED Night Light



fritzing

### Circuit Steps:

1. Connect the 5V of the Arduino to the + rail of the breadboard.
2. Connect the GND of the Arduino to the – rail of the breadboard.
3. Attach the photoresistor to the breadboard. The photoresistor legs are the same so you don't need to worry about which leg is which. Connect the photoresistor as shown on the breadboard.
4. Place the 10kOhm resistor between the power rail and the top leg of the photoresistor.
5. Place 1 jumper wire between the 10kOhm resistor and the top leg of the photoresistor. Connect this jumper wire to the A0 pin on the Arduino board. This is the *voltage divider circuit*.
6. Use 1 jumper wire to connect the ground rail to the bottom leg of the photoresistor.