# Arduino Workshop

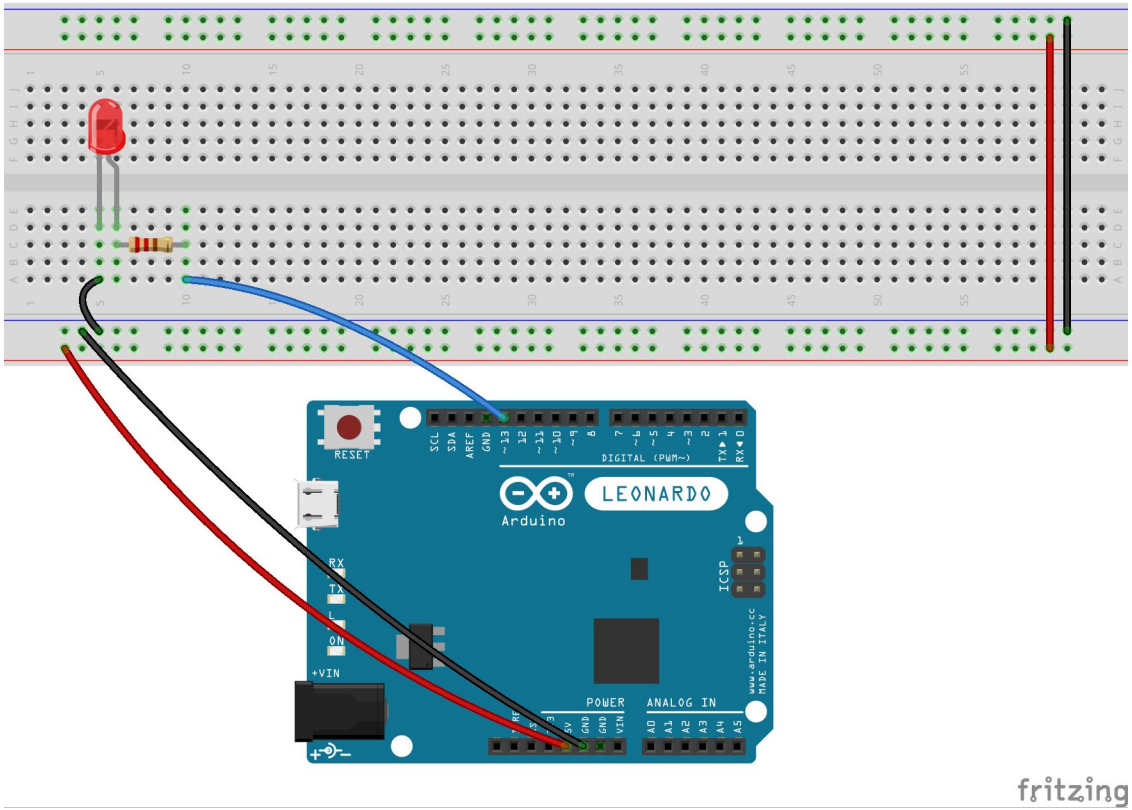
Ven & Jer

http://yo/arduino-101

# Make the LED blink

http://yo/arduino-1

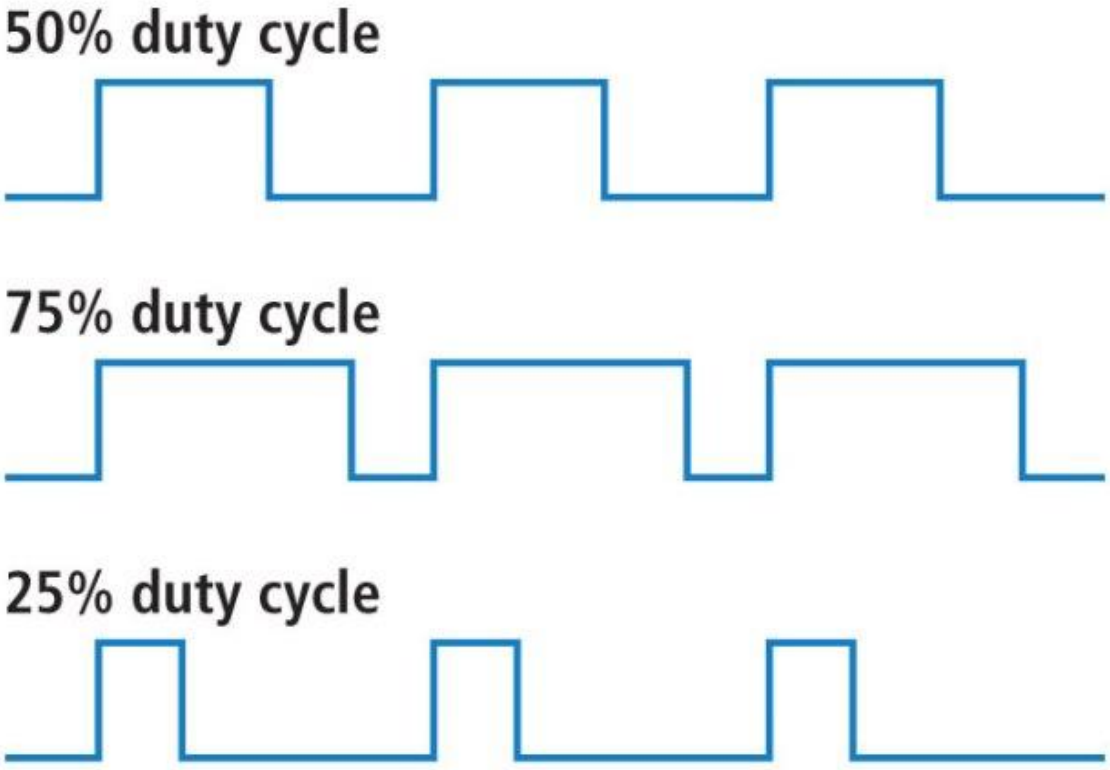
# Wire the LED


RESET
Arduino
LEONARDO
DIGITAL (PWM~)
POWER
ANALOG IN
ICSP
RX
TX
ON
+VIN
fritzing

# Control the brightness of the LED

http://yo/arduino-2

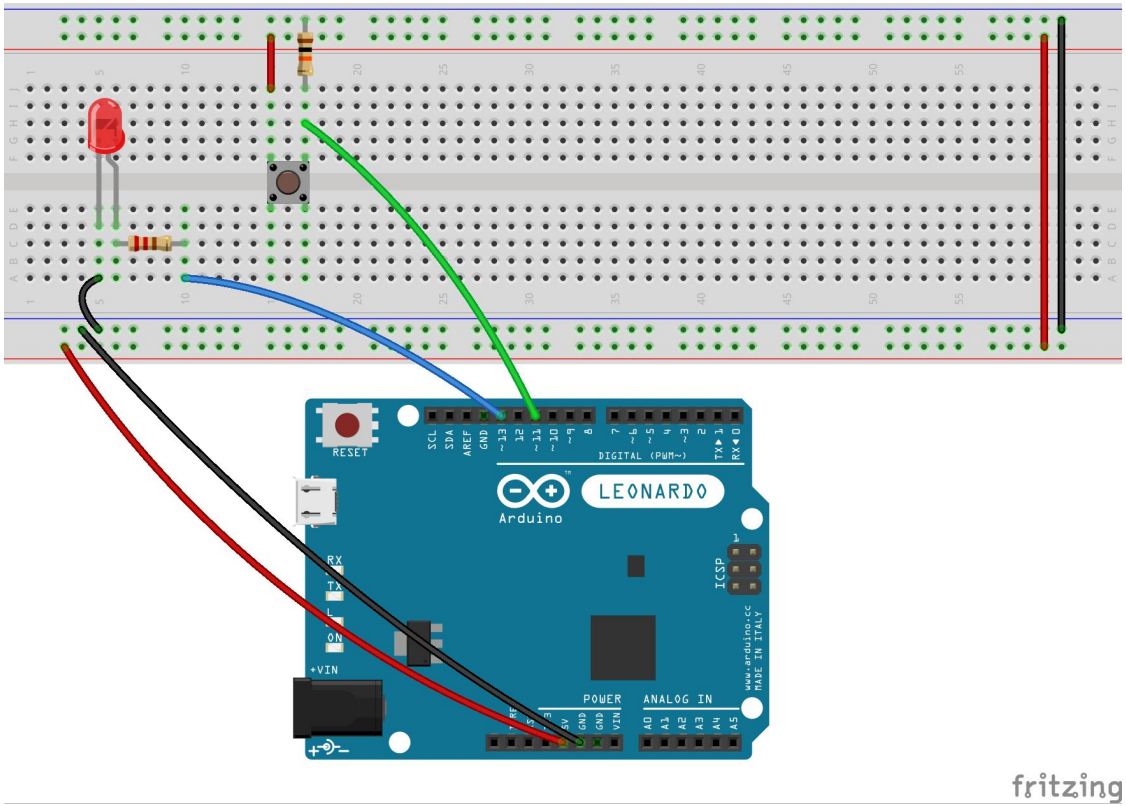
# Pulse Width Modulation



# Press button to turn on LED

http://yo/arduino-3

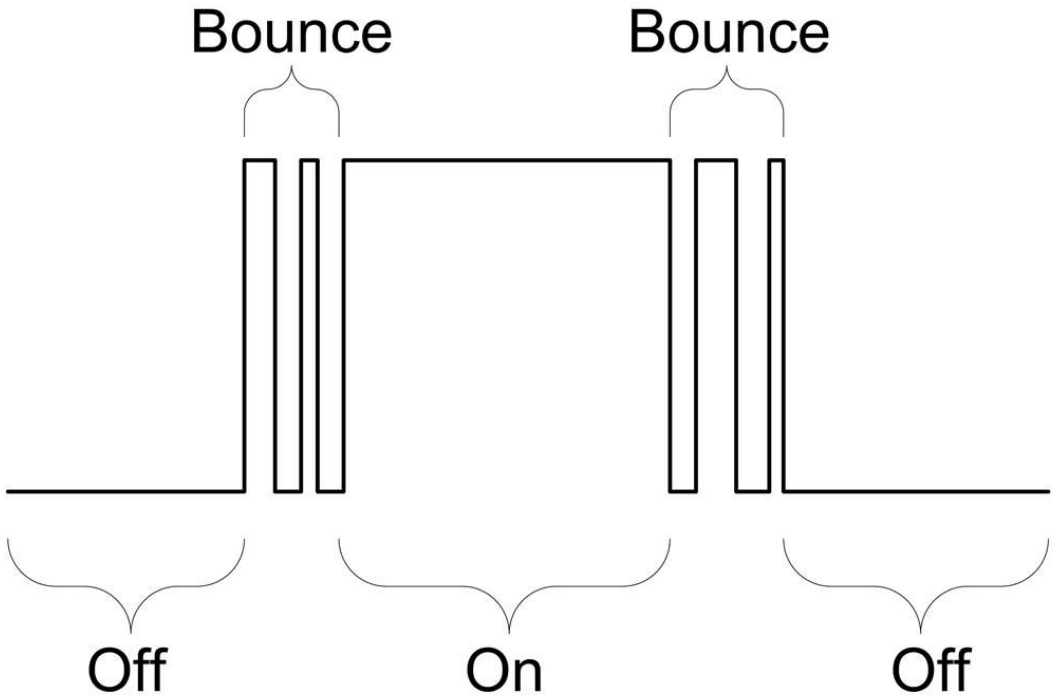
# Wire push button



# Press button to toggle LED state

http://yo/arduino-4

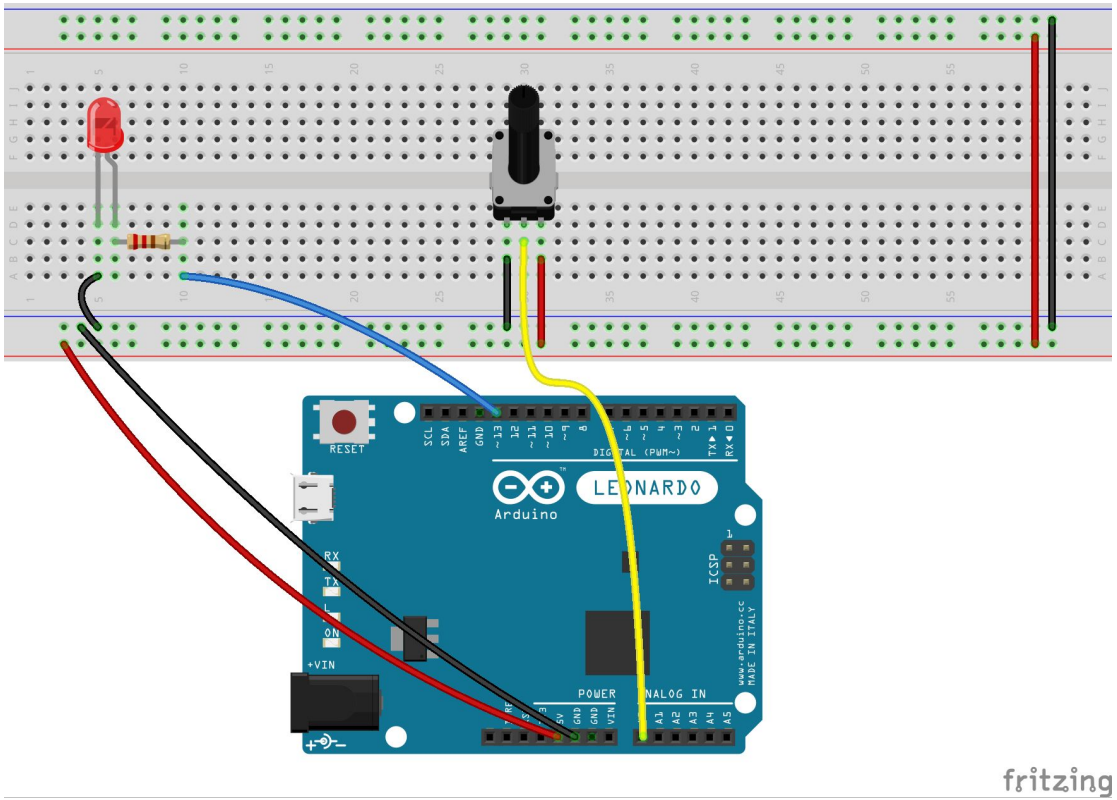
# Debouncing



# Control the brightness of the LED with pot

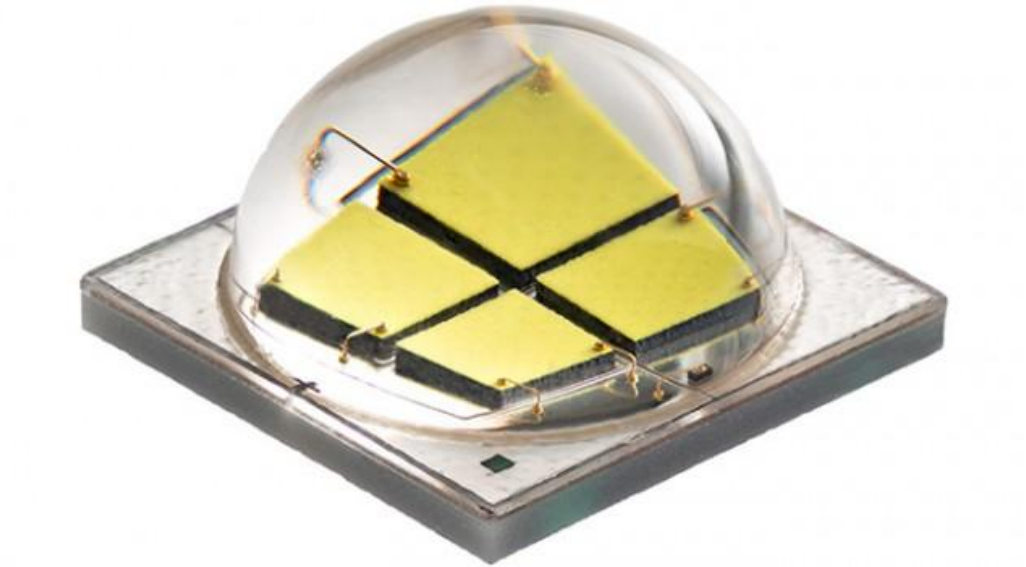
http://yo/arduino-5

# Wire the potentiometer

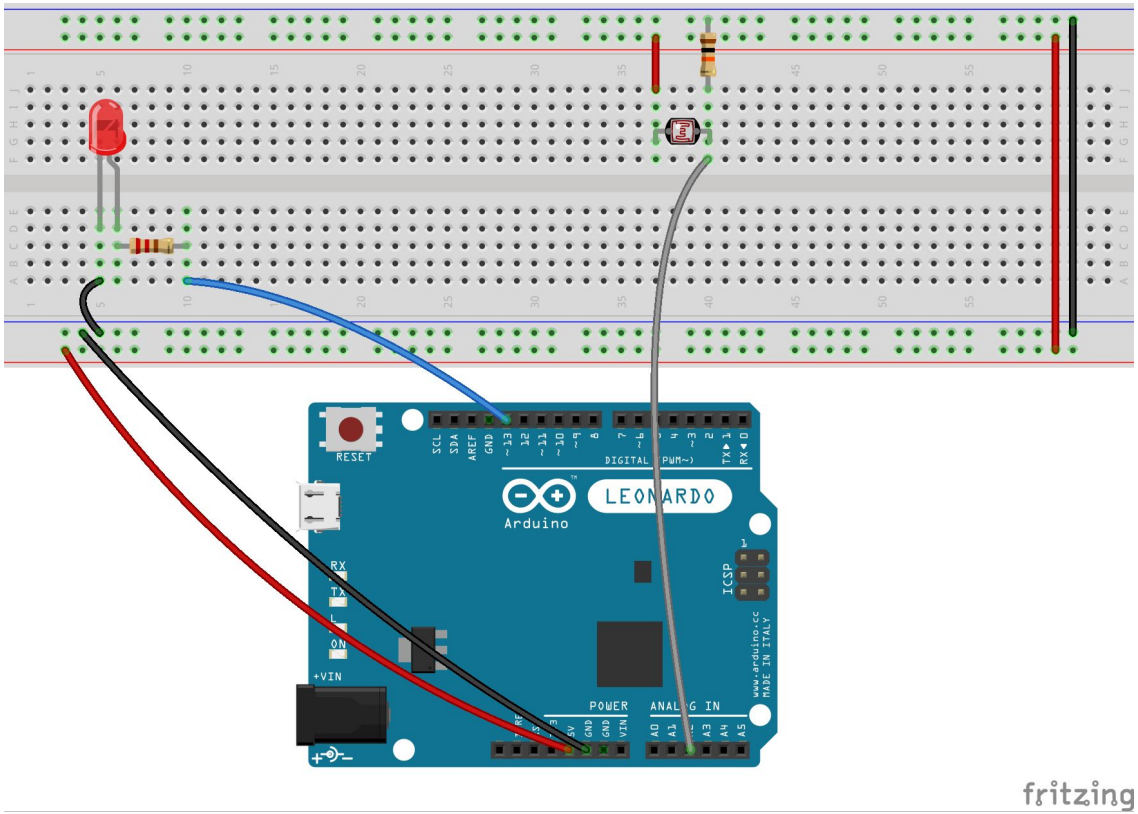


# Control the brightness of the LED with light

http://yo/arduino-6



# Wire the light dependent resistor

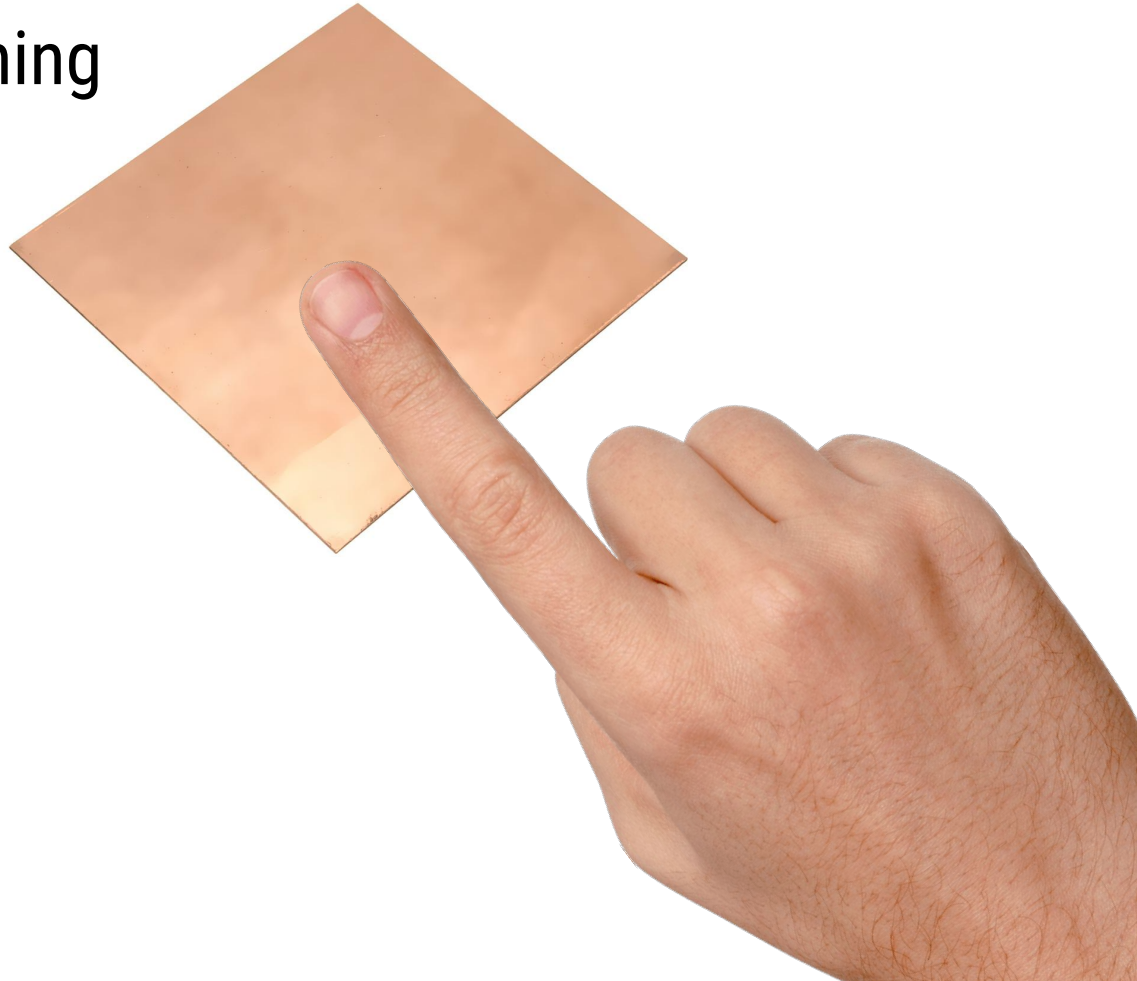


# Download Capacitive Sense Library

```
$ cd ~/Documents/Arduino/libraries
$ git clone git@github.com:arduino-libraries/CapacitiveSensor.git
```

# Toggle the LED by touching

http://yo/arduino-7



# Wire the touch sensor