

```
/*Joystick + due led + monitor seriale*/
```

```
int pulsante = 3;  
int led1 = 5;  
int led2 = 6;  
int led3 = 13;  
int pot_X = 0;  
int pot_Y = 1;  
int val_X;  
int val_Y;
```

```
void setup()
```

```
{  
    Serial.begin(9600);  
    pinMode(pulsante, INPUT);  
    pinMode(led1, OUTPUT);  
    pinMode(led2, OUTPUT);  
    pinMode(led3, OUTPUT);  
}
```

```
void loop()
```

```
{  
    val_X =analogRead(pot_X);  
    val_X =map(val_X, 0, 1023, 0, 255);  
    val_Y =analogRead(pot_Y);  
    val_Y =map(val_Y, 0, 1023, 0, 255);  
    analogWrite(led1, val_X);  
    analogWrite(led2, val_Y);  
    if(digitalRead(pulsante) == HIGH)  
        digitalWrite(led3, HIGH);  
    if(!digitalRead(pulsante) == HIGH) //digitalRead(pulsante) == LOW  
        digitalWrite(led3, LOW);  
  
    Serial.print(val_X);  
    Serial.print(" ");  
    Serial.print(val_Y);  
    Serial.print(" ");  
    Serial.println(digitalRead(pulsante));  
}
```