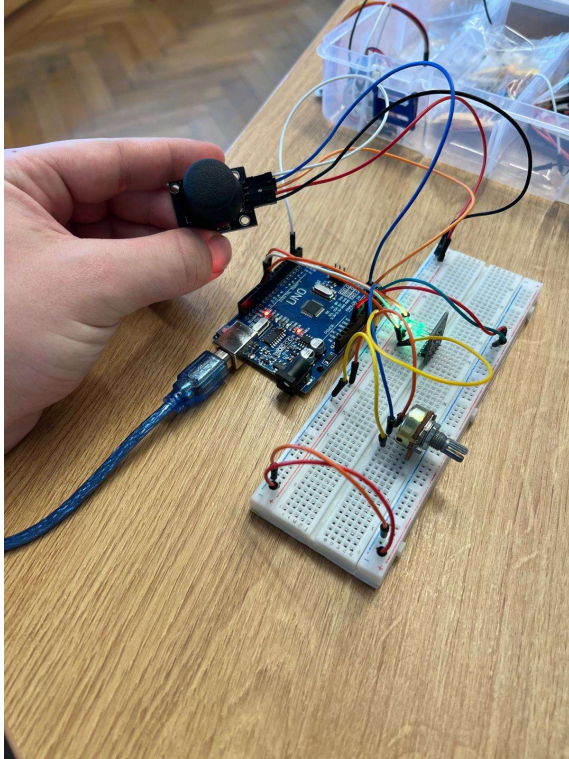


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### Aplicatia 3



Cod:

```
#define JOYSTICK_X A0
```

```
#define JOYSTICK_Y A1
```

```
#define POT_PIN A2
```

```
#define LED_RED_PIN 9
```

```
#define LED_GREEN_PIN 10
```

```
#define LED_BLUE_PIN 11
```

```
void setup() {
```

```
    pinMode(LED_RED_PIN, OUTPUT);
```

```
    pinMode(LED_GREEN_PIN, OUTPUT);
```

```
pinMode(LED_BLUE_PIN, OUTPUT);

Serial.begin(9600);
}

void loop() {

  int joystickX = analogRead(JOYSTICK_X);
  int joystickY = analogRead(JOYSTICK_Y);
  int potValue = analogRead(POT_PIN);

  int redValue = map(joystickX, 0, 1023, 0, 255);
  int greenValue = map(joystickY, 0, 1023, 0, 255);
  int blueValue = map(potValue, 0, 1023, 0, 255);

  analogWrite(LED_RED_PIN, greenValue);
  analogWrite(LED_GREEN_PIN, redValue);
  analogWrite(LED_BLUE_PIN, blueValue);

  Serial.print("Red: ");
  Serial.print(greenValue);
  Serial.print(" Green: ");
  Serial.print(redValue);
  Serial.print(" Blue: ");
  Serial.println(blueValue);

  delay(50);
```

}

Link catre video: <https://www.youtube.com/@silih1141>