

#define RED\_PIN 9

#define GREEN\_PIN 10

#define BLUE\_PIN 11

#define POT\_RED A0

#define POT\_GREEN A1

#define POT\_BLUE A2

void setup() {

Serial.begin(9600);

pinMode(RED\_PIN, OUTPUT);

pinMode(GREEN\_PIN, OUTPUT);

pinMode(BLUE\_PIN, OUTPUT);

}

void loop() {

int redValue = analogRead(POT\_RED);

int greenValue = analogRead(POT\_GREEN);

int blueValue = analogRead(POT\_BLUE);

redValue = map(redValue, 0, 1023, 0, 255);

greenValue = map(greenValue, 0, 1023, 0, 255);

blueValue = map(blueValue, 0, 1023, 0, 255);

analogWrite(RED\_PIN, redValue);

analogWrite(GREEN\_PIN, greenValue);

analogWrite(BLUE\_PIN, blueValue);

delay(100);

}