```
#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);
Serial.print("Red: ");
Serial.println(redValue);
Serial.print("Green: ");
Serial.println(greenValue);
Serial.print("Blue: ");
  Serial.println(blueValue);
  delay(100);
}
```