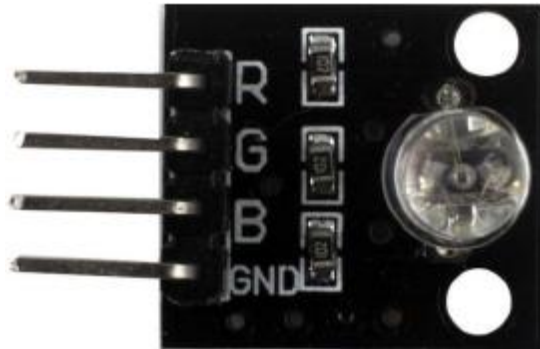


# RGB-LED Experiment

## Overview

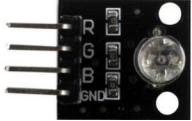





This lesson will teach you how to use RGB-LED module, which is simple and easy to use.

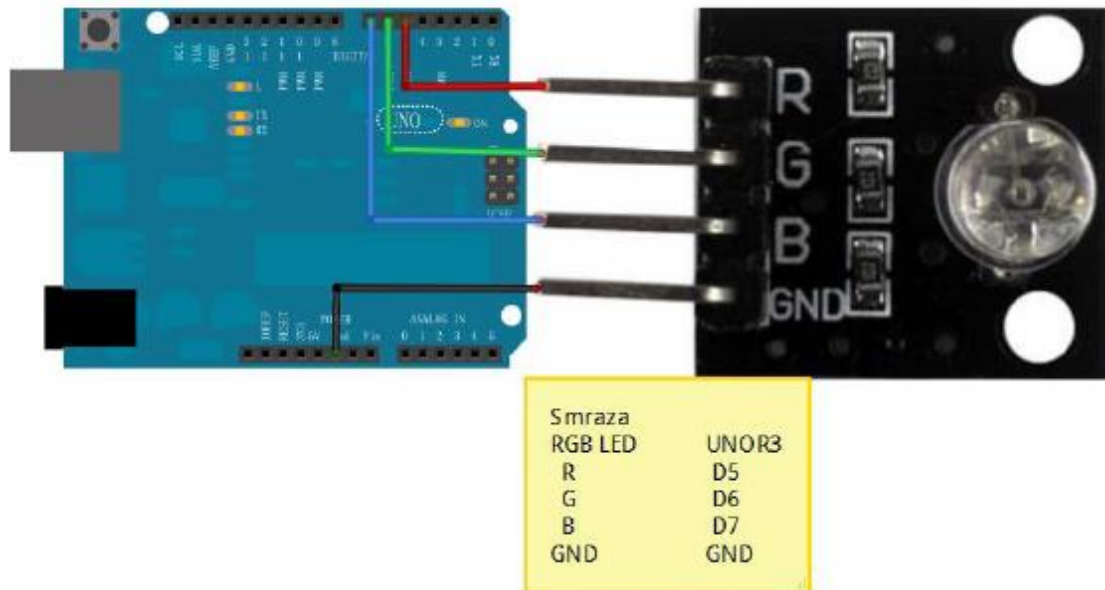
## Pin definition

UNO R3	RGB-LED
D5	R
D6	G
D7	B
GND	GND

## Hardware required

Material diagram	Material name	Number
	RGB-LED	1
	UNO R3	1
	USB Cable	1
	Male to Female Jumper wires	several

## Connection diagram

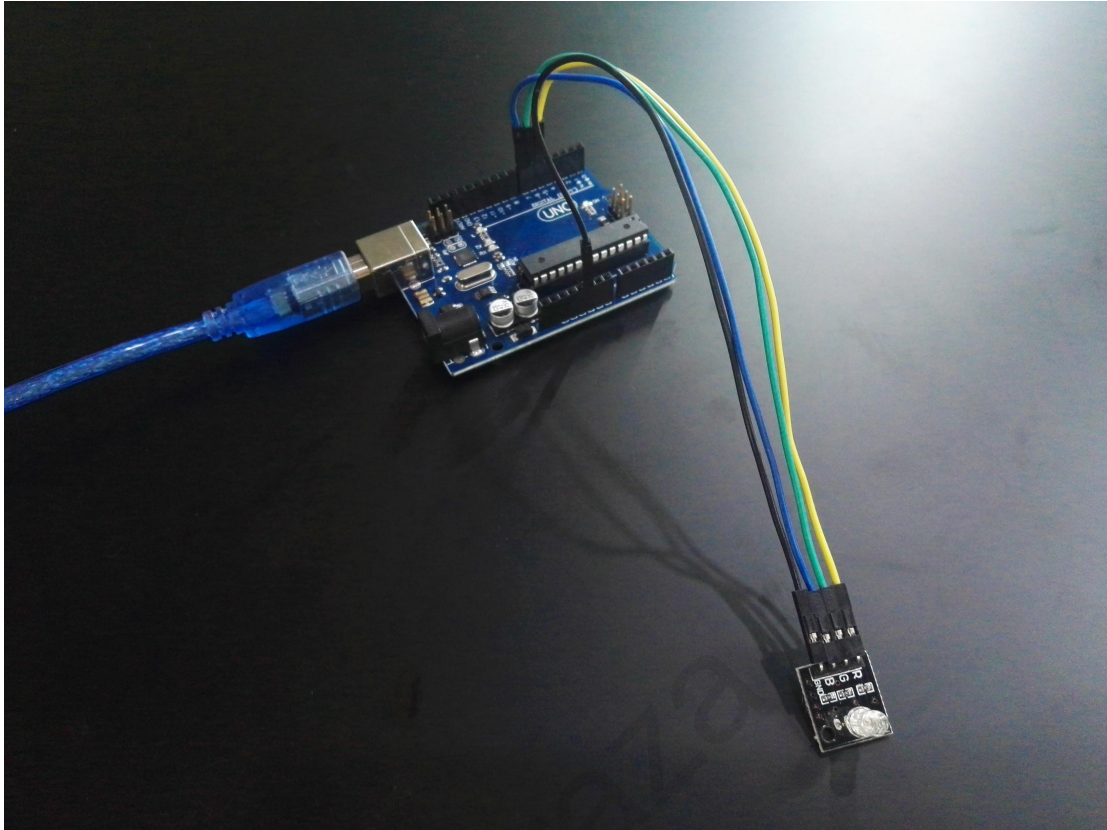


## Sample code

**Note:** sample code under the **Sample code** folder.

```
const int Rled=5;
const int Gled=6;
const int Bled=7;
void setup()
{
    pinMode(Rled,OUTPUT);
    pinMode(Gled,OUTPUT);
    pinMode(Bled,OUTPUT);
}
void loop()
{
    digitalWrite(Rled,HIGH);
    digitalWrite(Gled,LOW);
    digitalWrite(Bled,LOW);
    delay(1000);
    digitalWrite(Rled,LOW);
    digitalWrite(Gled,HIGH);
    digitalWrite(Bled,LOW);
    delay(1000);
    digitalWrite(Rled,LOW);
    digitalWrite(Gled,LOW);
    digitalWrite(Bled,HIGH);
    delay(1000);
}
```

Example picture



## Language reference

**Tips :** Click on the following name to jump to the web page.

If you fail to open, use the Adobe reader to open this document.

[pinMode\(\)](#)

[digitalWrite\(\)](#)

## Application effect

When the program is uploaded, you will see the LED loop emit 3 different colors of light.

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