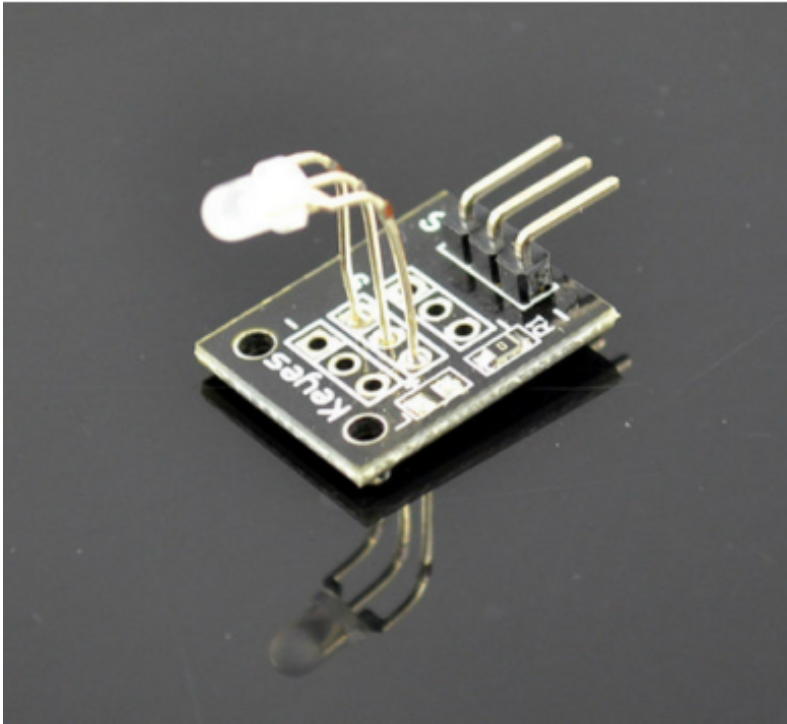


# Arduino KY-011 2-color LED module

From

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Buy this kit.

## 3mm red and green LED (common cathode) module

- Color: Green + Red
- Diameter: 3mm
- Case Color: None
- Package Type: Diffusion
- Voltage (V) :2.0-2.5
- Using a current (MA): 10
- Viewing angle: 150
- Wavelength (NM): 571 +644
- Luminous intensity (MCD) :20-40; 40-80
- Stent type: long-legged

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# Schematic

- Arduino pin 10 --> resistor 330 Ohm --> Signal pin of the module
- Arduino pin 11 --> resistor 330 Ohm --> Middel pin of the module
- Arduino GND --> module -/GND

## Example Code

```
// Arduino test code for KY011
int redpin = 11; // select the pin for the red LED
int greenpin = 10; // select the pin for the green LED
int val;
void setup () {
  pinMode (redpin, OUTPUT);
  pinMode (greenpin, OUTPUT);
}
void loop () {
  for (val = 255; val > 0; val--)
  {
    analogWrite (greenpin, val);
    analogWrite (redpin, 255-val);
    delay (15);
  }
  for (val = 0; val < 255; val++)
  {
    analogWrite (greenpin, val);
    analogWrite (redpin, 255-val);
    delay (15);
  }
}
```

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