### Wemos RGB Shield (WS2812B)

WS2812B RGB Shield. A shield with a remote controllable RGB Led.

**Specifications**

WS2812B Led

Led size: 5050

Colours:: 16 Millioen

Power: 5v

**Pins**

**Pin Function**

D2 WS2812B

G Ground

5V 5v

The WS2812B requires 5v.

**Example code**

// Install [Adafruit\_NeoPixel\_Library] first.

// (https://github.com/adafruit/Adafruit\_NeoPixel)

#include <Adafruit\_NeoPixel.h>

#define PIN D2

// When we setup the NeoPixel library, we tell it how many pixels,

// and which pin to use to send signals.

Adafruit\_NeoPixel pixels = Adafruit\_NeoPixel(1, PIN, NEO\_GRB + NEO\_KHZ800);

void setup() {

pixels.begin(); // This initializes the NeoPixel library.

}

void loop() {

// For a set of NeoPixels the first NeoPixel is 0, second is 1,

// all the way up to the count of pixels minus one.

// pixels.Color takes RGB values, from 0,0,0 up to 255,255,255

for (int i = 0; i < 2; i++) {

for (int j = 0; j < 2; j++) {

for (int k = 0; k < 2; k++) {

// Moderately bright green color.

pixels.setPixelColor(0, pixels.Color(i \* 255, j \* 255, k \* 255));

// This sends the updated pixel color to the hardware.

pixels.show();

// Delay for a period of time (in milliseconds).

delay(200);

}

}

}

}