

From Engineers' Garage Website: <https://www.engineersgarage.com/tutorial-8-rgb-led-interfacing-with-attiny85/>

```
#define red 0
#define blue 1
#define green 4

void setup()
{
    pinMode(red,OUTPUT);
    pinMode(green,OUTPUT);
    pinMode(blue,OUTPUT);
}

void loop()
{
    int pwm_value;
    analogWrite(green,0);
    analogWrite(red, 255);
    for(pwm_value=0;pwm_value<255;pwm_value+=5)
    {
        analogWrite(blue, pwm_value);
        delay(200);
    }
    for(pwm_value=0;pwm_value<255;pwm_value+=5)
    {
        analogWrite(red,pwm_value);
        delay(200);
    }
    analogWrite(blue, 0);
    analogWrite(green, 255);
```

```
for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(red, pwm_value);
    delay(200);
}

for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(green, pwm_value);
    delay(200);
}

analogWrite(red, 0);

analogWrite(green, 255);

for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(blue, pwm_value);
    delay(200);
}

for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(green, pwm_value);
    delay(200);
}

analogWrite(red, 0);

for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(blue, pwm_value);
    analogWrite(green,255-pwm_value);
    delay(200);
}
```

```
for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(green, pwm_value);
    analogWrite(blue,255-pwm_value);
    delay(200);
}

analogWrite(green, 0);

for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(blue, pwm_value);
    analogWrite(red,255-pwm_value);
    delay(200);
}

for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(red, pwm_value);
    analogWrite(blue,255-pwm_value);
    delay(200);
}

analogWrite(blue, 0);

for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(red, pwm_value);
    analogWrite(green,255-pwm_value);
    delay(200);
}

for(pwm_value=0;pwm_value<255;pwm_value+=5)
{
    analogWrite(green, pwm_value);
```

```
analogWrite(red,255-pwm_value);  
delay(200);  
}  
}
```