

RGB with LCD

Aim:- Display screen to print colour sensed by RGB led.

Hardware:- Arduino board, breadboard, LCD 16x2, RGB LED, Resistor.

Code:-

```
#include <LiquidCrystal.h>
LiquidCrystal lcd(12, 11, 5, 4, 3, 2);
```

```
void setup()
```

```
{
```

```
  lcd.begin(16, 2);
```

```
  pinMode(8, OUTPUT);
```

```
  pinMode(9, OUTPUT);
```

```
  pinMode(10, OUTPUT);
```

```
  lcd.print("RGB color print"); }
```

```
void loop()
```

```
{  delay(1000);
```

```
  digitalWrite(10, HIGH);
```

```
  digitalWrite(9, LOW);
```

```
  digitalWrite(8, LOW);
```

```
  lcd.print("RED");
```

```
  delay(1000);
```

```
  lcd.clear();
```

```
  digitalWrite(9, HIGH);
```

```
  digitalWrite(10, LOW);
```

```
  digitalWrite(8, LOW);
```

```
  lcd.print("BLUE");
```

```
  delay(1000);
```


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```
lcd.clear();  
digitalWrite(8, HIGH);  
digitalWrite(10, LOW);  
digitalWrite(9, LOW);  
lcd.print("GREEN");  
delay(1000);  
lcd.clear();
```

