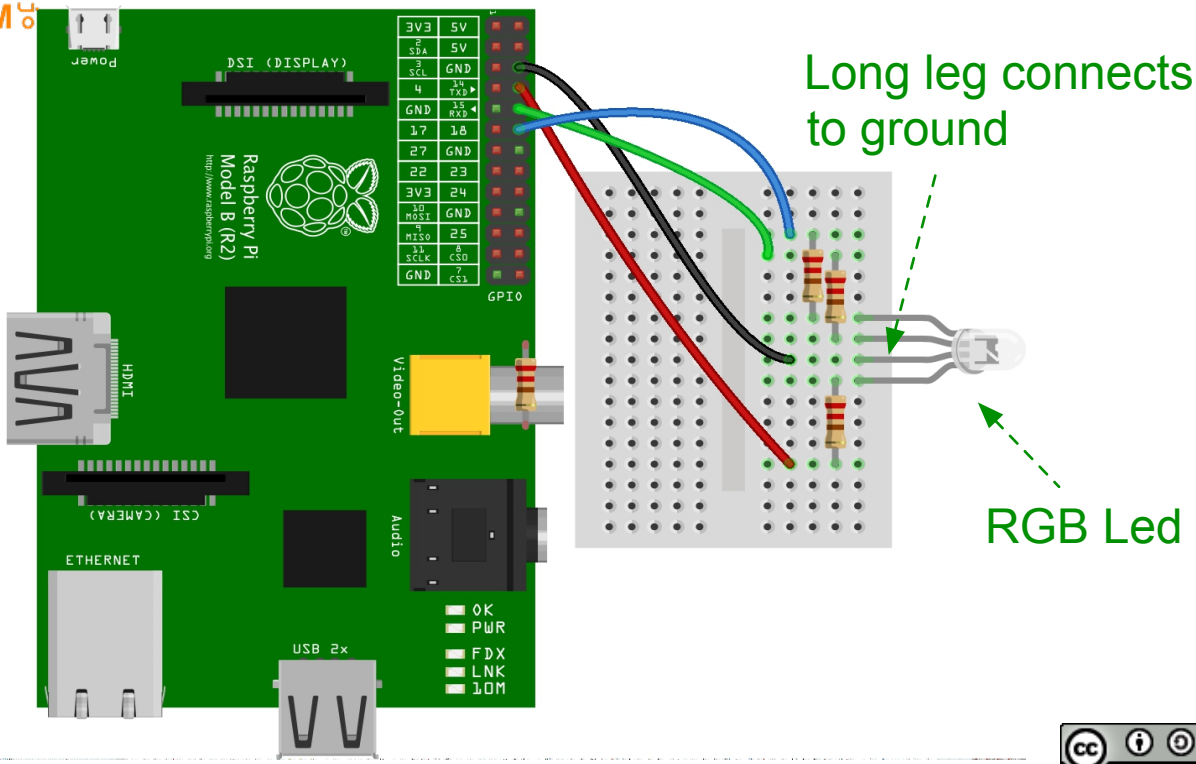
RGB LED


Long leg connects to ground
RGB Led
Power
DSI (DISPLAY)
Raspberry Pi Model B (R2)
http://www.raspberrypi.org
GPIO
HDMI
Video-Out
CSI (CAMERA)
Audio
ETHERNET
USB 2x
OK
PWR
FDX
LNK
10M
fritzing

```
#  An RGB LED can be different colours
from gpiozero import RGBLED
from time import sleep
import random # Do random things

# Create an RGBLED object for GPIO pins 14,15 and 18
myled = RGBLED(14,15,18)

print('white')
myled.on()
sleep(1)
myled.off()
print('red')
myled.red = 1
sleep(1)
myled.off()
print('green')
myled.green = 1
sleep(1)
myled.off()
print('blue')
myled.blue = 1
sleep(1)

print('random colour disco')
t = 0 # create a timer variable
while t < 10: # Work for 10 seconds
    r = random.uniform(0,1) # random value for red
    g = random.uniform(0,1) # random value for green
    b = random.uniform(0,1) # random value for blue
    # we can set how much each colour is on like PWMLED
    myled.color=(r,g,b) # quick way of setting all three colours
    sleep(0.4)
    t = t + 0.4
```

What other colours can you create by mixing red, green and blue light?