



# PyLeap Touch NeoPixel Rainbow for Circuit Playground Bluefruit

Created by Kattni Rembor



<https://learn.adafruit.com/pyleap-touch-neopixel-rainbow>

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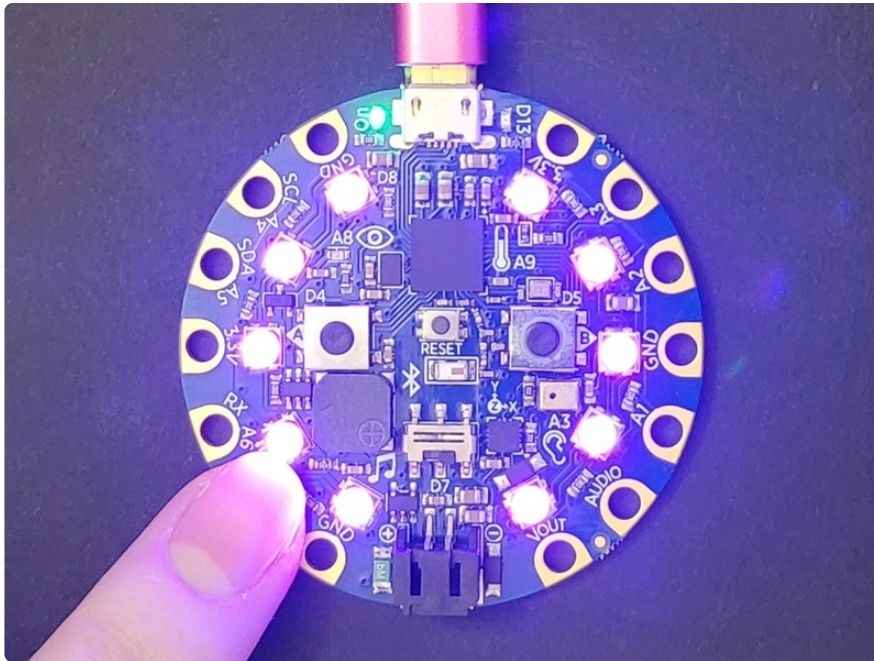
3

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# Touch NeoPixel Rainbow

There are **seven capacitive touch pads** and **ten NeoPixel LEDs** on your Circuit Playground Bluefruit. The touch pads are labeled A1-A6, and TX. A0 is not a touch pad. This example uses the touch pads to light up the LEDs in rainbow colors.

Try touching different touch pads to light up the LEDs as different colors of the rainbow.



```
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"""
Circuit Playground Bluefruit Capacitive Touch Rainbow

Touch the each of the touchpads around the outside of the board to light up the
pixels a different
color for each pad touched.
"""
from adafruit_circuitplayground import cp

cp.pixels.brightness = 0.3

while True:
    if cp.touch_A1:
        cp.pixels.fill((255, 0, 0))
    if cp.touch_A2:
        cp.pixels.fill((210, 45, 0))
    if cp.touch_A3:
        cp.pixels.fill((155, 100, 0))
    if cp.touch_A4:
        cp.pixels.fill((0, 255, 0))
    if cp.touch_A5:
        cp.pixels.fill((0, 135, 125))
    if cp.touch_A6:
        cp.pixels.fill((0, 0, 255))
```

```
if cp.touch_TX:  
    cp.pixels.fill((100, 0, 155))
```