



PyLeap Button Controlled NeoPixels for Circuit Playground Bluefruit

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<https://learn.adafruit.com/pyleap-buttons-neopixels>

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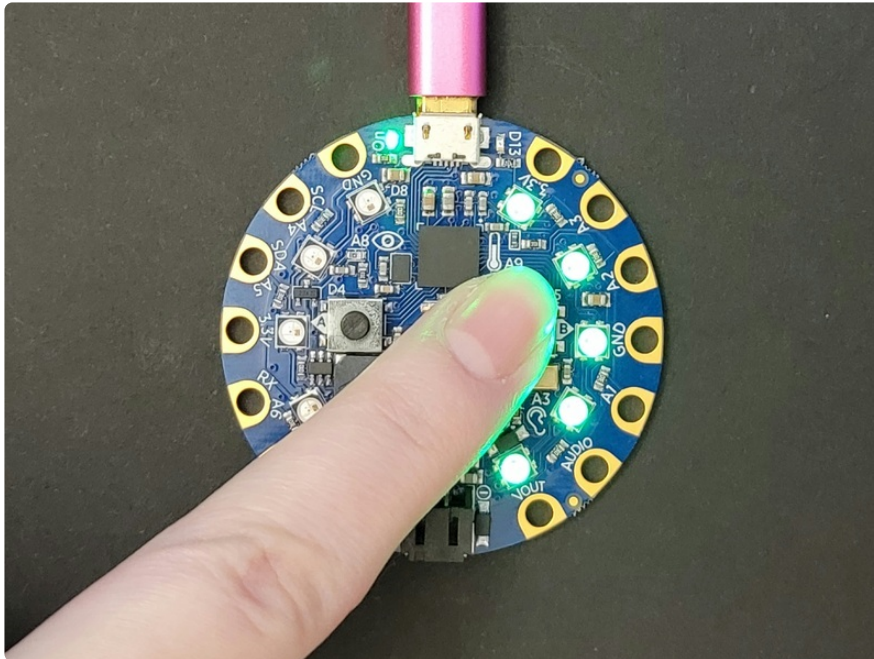
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Button Controlled NeoPixels

There are **ten NeoPixel LEDs** and **two buttons** on your Circuit Playground Bluefruit. This example lights up half of the NeoPixel LEDs for each button when pressed.

Try pressing button A to see the left half of the LEDs light up red, and button B to see the right half of the LEDs light up green.



```
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"""Circuit Playground Bluefruit NeoPixel Button Control

Press button A to light up half the NeoPixels and button B to light up the other
half.
"""
from adafruit_circuitplayground import cp

# Choose colors. Defaults to red for button A and green for button B. These are RGB
values, where
# (r, g, b) represents red, green, and blue. Each value has a range of 0-255, where
0 is off and
# 255 is max intensity. You can update these values to change the colors. For
example, (0, 255, 0)
# would be max green. You can combine numbers within the range to make other colors
such as
# (255, 0, 180) being pink. Try it out!
color_value_a = (255, 0, 0)
color_value_b = (0, 255, 0)

cp.pixels.brightness = 0.3

while True:
    if cp.button_a:
        cp.pixels[0:5] = [color_value_a] * 5
    else:
```

```
    cp.pixels[0:5] = [(0, 0, 0)] * 5  
if cp.button_b:  
    cp.pixels[5:10] = [color_value_b] * 5  
else:  
    cp.pixels[5:10] = [(0, 0, 0)] * 5
```