



# PyLeap Tone Piano for Circuit Playground Bluefruit

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<https://learn.adafruit.com/pyleap-tone-piano-for-cpb>

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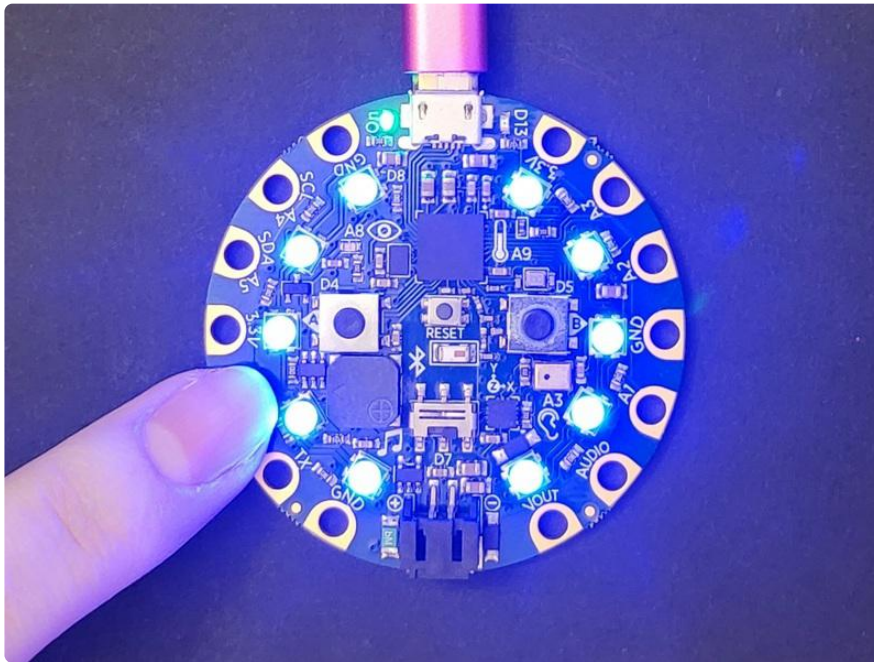
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# Bluefruit Touch Tone Piano

There are seven touch pads around the outside of the Circuit Playground Bluefruit, labeled A1 - A6 and TX. (A0 is not a touch pad!) This example plays a different tone and lights up the NeoPixels a different color for each touch pad touched.

Try touching the pads to hear a tone and see the NeoPixels light up. Touch each pad individually for one of seven different tones, and touch A6 and TX at the same time for the eighth tone.



```
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"""
Circuit Playground Bluefruit Light-Up Tone Piano

Touch the each of the touchpads around the outside of the board to play a tone for
each pad.
Touch A6 and TX at the same time to play the final tone in the octave. A0 is not a
touchpad.
"""

from adafruit_circuitplayground import cp

cp.pixels.brightness = 0.3

while True:
    if cp.touch_A1:
        cp.pixels.fill((255, 0, 0))
        cp.start_tone(262)
    elif cp.touch_A2:
        cp.pixels.fill((210, 45, 0))
        cp.start_tone(294)
    elif cp.touch_A3:
        cp.pixels.fill((155, 155, 0))
```

```
    cp.start_tone(330)
elif cp.touch_A4:
    cp.pixels.fill((0, 255, 0))
    cp.start_tone(349)
elif cp.touch_A5:
    cp.pixels.fill((0, 255, 255))
    cp.start_tone(392)
elif cp.touch_A6 and not cp.touch_TX:
    cp.pixels.fill((0, 0, 255))
    cp.start_tone(440)
elif cp.touch_TX and not cp.touch_A6:
    cp.pixels.fill((100, 0, 255))
    cp.start_tone(494)
elif cp.touch_A6 and cp.touch_TX:
    cp.pixels.fill((255, 0, 255))
    cp.start_tone(523)
else:
    cp.pixels.fill((0, 0, 0))
    cp.stop_tone()
```