

The Code

Since designing it was pretty simple, writing the code was also fairly straightforward.

```
1  const int potPin = A0;
2  const int LED = 9;
3
4  int pwm = 0;
5  int potVal = 0;
6
7  void setup() {
8      pinMode(LED, OUTPUT);
9  }
10
11 void loop() {
12     potVal = analogRead(potPin);
13     pwm = map(potVal, 0, 1023, 0, 255);
14     analogWrite(LED, pwm);
15     delay(100);
16 }
```

I used digital pin 9 for the LED control and the A0 for the potentiometer control.

Another cool use for this is a piezo, because it makes all the different notes, like a tuner.

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