



```
int a=0;
int b=0;
void setup()
{
  Serial.begin(9600);
  pinMode(13, OUTPUT);
}
void loop()
{
  a=analogRead(A0);
  b=map(a,0,1023,0,255);
  Serial.println(b);
  if(b>100)
  {
    Serial.println("Motion Detected");
    delay(100);
  }
}
```

<https://www.tinkercad.com/things/05RU8YgKihh-sizzling-bruticus-kup/editel?tenant=circuits>