




# Sharp GP2Y0A21YK0F

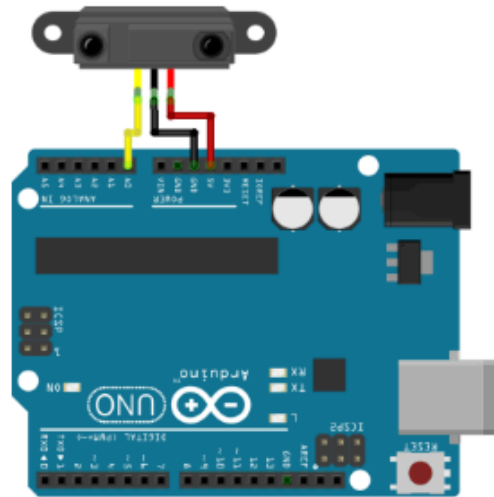
<https://programarfacil.com/domotica/sharp-ir-gp2y0a21yk0f/>

| Kablearen Kolorea   | Funtzioa      | Konexioa (ESP32)                 |
|---|---------------|----------------------------------|
|  <b>Gorria</b>         | VCC (+)       | <b>Vin / 5V</b> pinera           |
|  <b>Beltza</b>         | GND (-)       | <b>GND</b> pinera                |
|  <b>Horia / Txuria</b> | Vo (Seinalea) | <b>GPIO 34</b> (Edozein ADC pin) |

| Ezaugarria              | Balioa                          |
|-------------------------|---------------------------------|
| <b>Neurketa Tarte</b>   | 10 cm - 80 cm                   |
| <b>Elikadura (VCC)</b>  | 4.5V - 5.5V (Normalean 5V)      |
| <b>Kontsumoa</b>        | 30 mA (batez beste)             |
| <b>Irteera Mota</b>     | Analogikoa (0.4V - 3.1V artean) |
| <b>Erantzun Denbora</b> | 38 ms ± 10 ms                   |

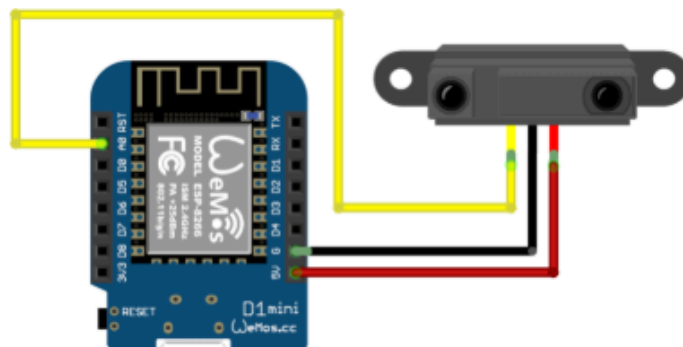


Conexión Sharp IR GP2Y0A21YK0F con Arduino



fritzing

Conexión Sharp IR GP2Y0A21YK0F con ESP8266



## Programak:

```
if (estado == HIGH) {                                     // Si detecta obstáculo

    Serial.println("Objeto detectado");

}

if (estado == LOW) {                                     // Si no detecta obstáculo

    Serial.println("no hay objeto");

}
```