



```
int delayval = 800; // init le delais à 800 millis seconde
int secondes = 0;
int minutes = 0;
int heures = 0;

void AfSecondes(){
  pixels.clear();
  if (Iminutes == Isecondes && Iminutes == Iheures && Isecondes ==
Iheures){
    pixels.setPixelColor(Isecondes, pixels.Color(255,255,0));
    pixels.setPixelColor(Iminutes, pixels.Color(255,255,0));
    pixels.setPixelColor(Iheures, pixels.Color(255,255,0));
  }
  else if (Iminutes == Isecondes){
    pixels.setPixelColor(Isecondes, pixels.Color(255,255,0));
    pixels.setPixelColor(Iminutes, pixels.Color(255,255,0));
    pixels.setPixelColor(Iheures, pixels.Color(255,0,0));
  }
  else if (Isecondes == Iheures){
    pixels.setPixelColor(Isecondes, pixels.Color(255,0,255));
    pixels.setPixelColor(Iminutes, pixels.Color(0,128,0));
    pixels.setPixelColor(Iheures, pixels.Color(255,0,255));
  }
  else if (Iminutes == Iheures){
    pixels.setPixelColor(Isecondes, pixels.Color(0,0,255));
    pixels.setPixelColor(Iminutes, pixels.Color(192,192,192));
    pixels.setPixelColor(Iheures, pixels.Color(192,192,192));
  }
  else {
    pixels.setPixelColor(Isecondes, pixels.Color(0,0,255));
    pixels.setPixelColor(Iminutes, pixels.Color(0,128,0));
    pixels.setPixelColor(Iheures, pixels.Color(255,0,0));
  }
  pixels.show();
  delay(delayval);
}

void setup() {
  pixels.begin(); // demmarre le neopixel
  rtc.begin(); // demarre le moule rtc
  Serial.begin(57600);
  while (!Serial); // attends la communication serie
  pinMode(A1, INPUT);
}
```

```
void loop() {

pixels.setBrightness(map(analogRead(A1),0, 1023,0,255)); // ajuste la
brillance des neopixels entre 0 ( éteint ) et 255 (super brillant)

DateTime now = rtc.now(); // recupere la date et l'heure dans l'objet
now
heures = (now.hour());
if (heures >= 12){
    heures = heures - 12;
}
Serial.print(heures);
Serial.print(": ");
minutes = (now.minute());
Serial.print(minutes);
Serial.print(":");
secondes = (now.second());
Serial.println(secondes);

AfSecondes();

}

//https://www.rapidtables.com/web/color/RGB_Color.html
/*
Couleurs    Code (R,G,B
Black       (0,0,0)
White       (255,255,255)
Red         (255,0,0)
Lime        (0,255,0)
Blue        (0,0,255)
Yellow      (255,255,0)
Cyan        (0,255,255)
Fuchsia     (255,0,255)
Silver      (192,192,192)
Gray        (128,128,128)
Maroon      (128,0,0)
Olive       (128,128,0)
Green       (0,128,0)
Purple      (128,0,128)
Teal        (0,128,128)
Navy        (0,0,128)
*/
```

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<https://www.fablab37110.chanterie37.fr/doku.php?id=start:arduino:horloge:brouillongl>

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