

# Confetti

Demo: <https://youtu.be/2v2qY-AWh5g>

Go to: <https://makecode.microbit.org/>

Make sure that you have added the Kitronik Halo LED extension (instructions are in Rainbow Rotate).

For each led, pick a random red, random green and random blue.

```
on start
  set haloDisplay to to Halo HD with 60 ZIP LEDs
  for index from 0 to 60
  do
    haloDisplay set ZIP LED index to red pick random 0 to 255 green pick random 0 to 255 blue pick random 0 to 255
  haloDisplay show
```

The code block shows an 'on start' event. It first sets 'haloDisplay' to 'to Halo HD with 60 ZIP LEDs'. Then, it enters a 'for' loop from index 0 to 60. Inside the loop, it sets each ZIP LED at the given index to a random red, green, and blue value (0 to 255). Finally, it calls 'haloDisplay show'.

**Loop – for all of the LEDs**

- Pick a random colour for that LED
- Use index for the position of the LED

Also randomize items in the forever loop.

```
forever
  pause (ms) 100
  haloDisplay clear
  for index from 0 to 60
  do
    haloDisplay set ZIP LED index to red pick random 0 to 255 green pick random 0 to 255 blue pick random 0 to 255
  haloDisplay show
```

The code block shows a 'forever' loop. It starts with a 'pause (ms) 100' block. Then, it calls 'haloDisplay clear'. Next, it enters a 'for' loop from index 0 to 60. Inside the loop, it sets each ZIP LED at the given index to a random red, green, and blue value (0 to 255). Finally, it calls 'haloDisplay show'.