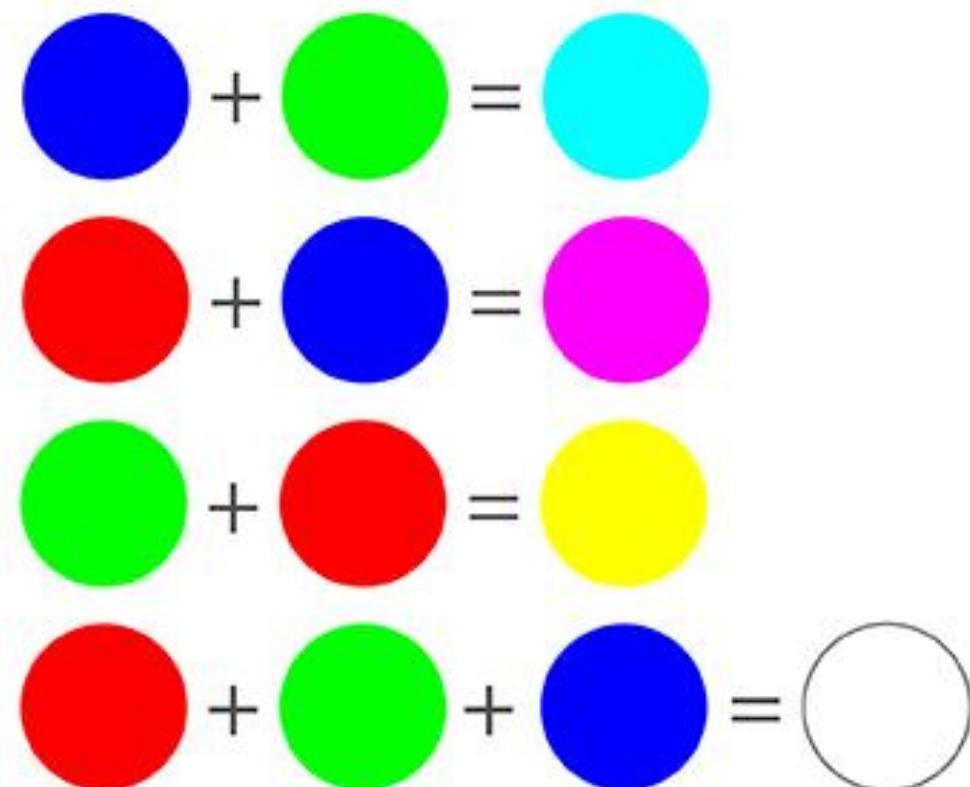
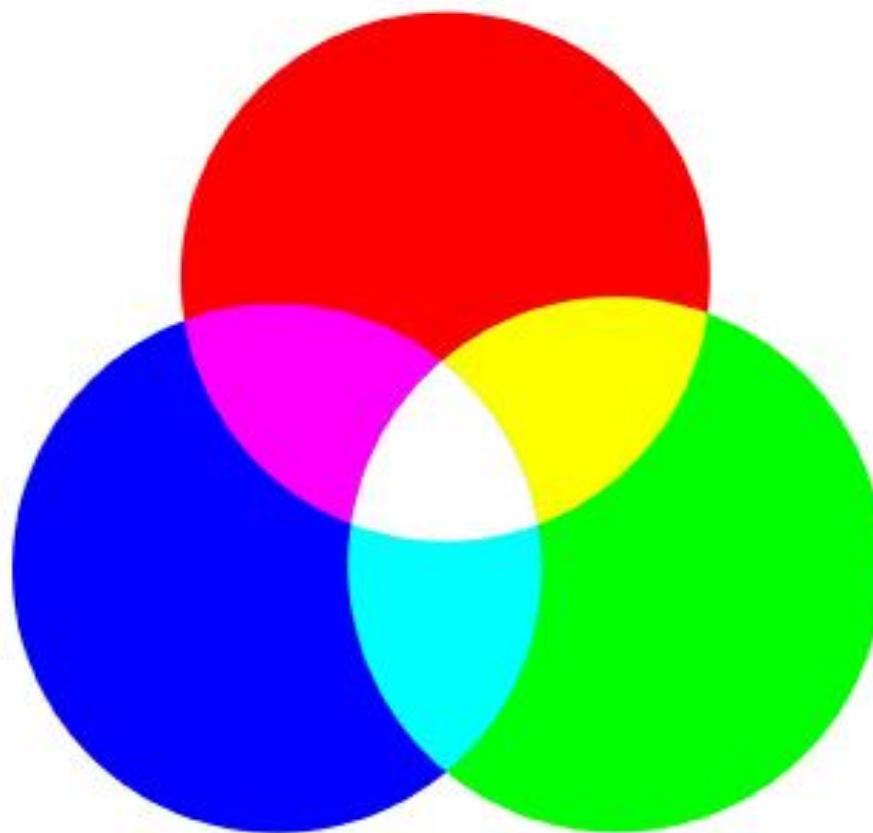
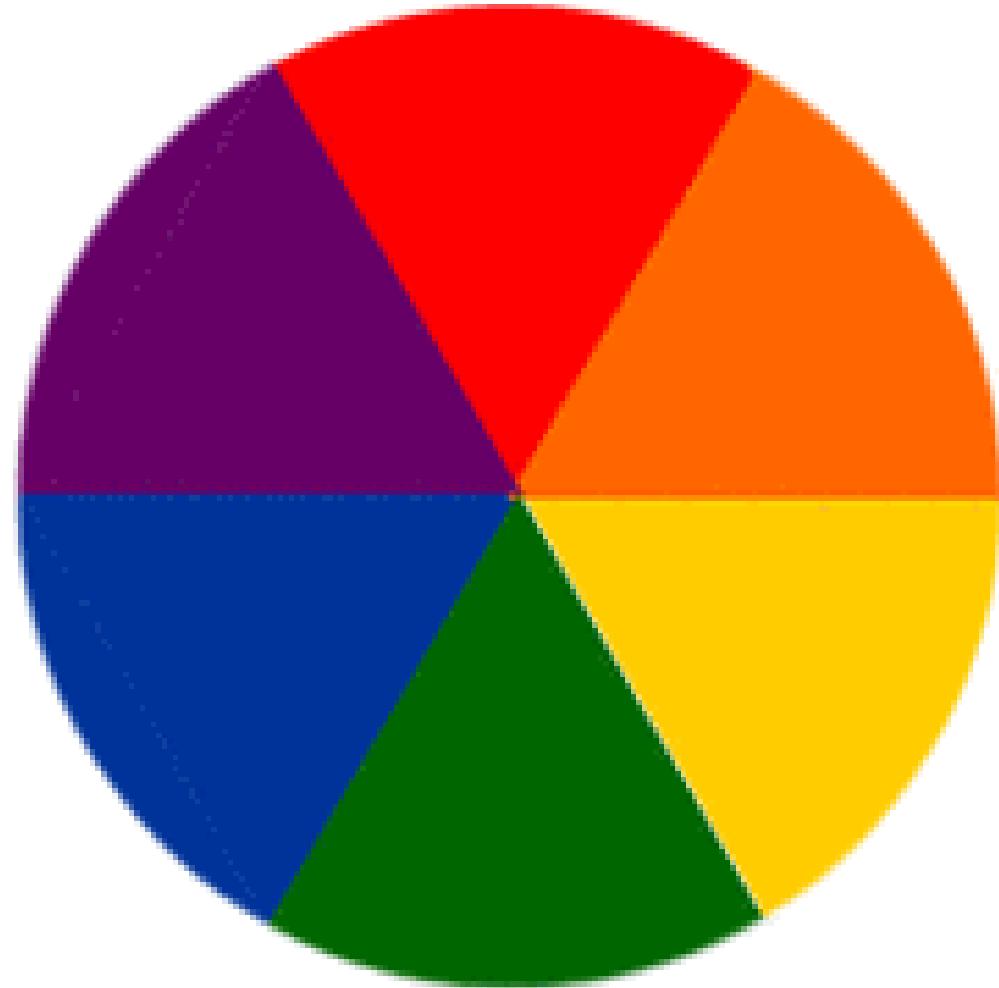


RGB Colours

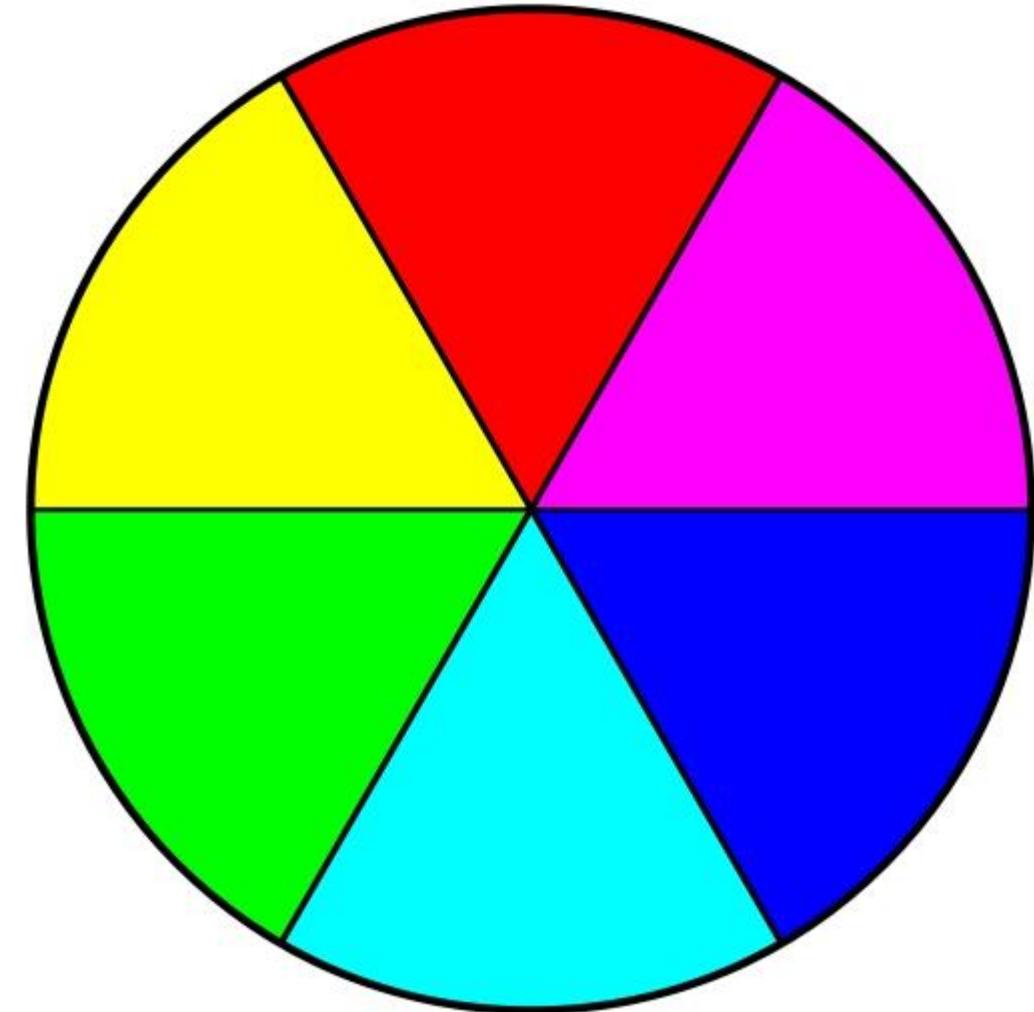
Microbits and Lights



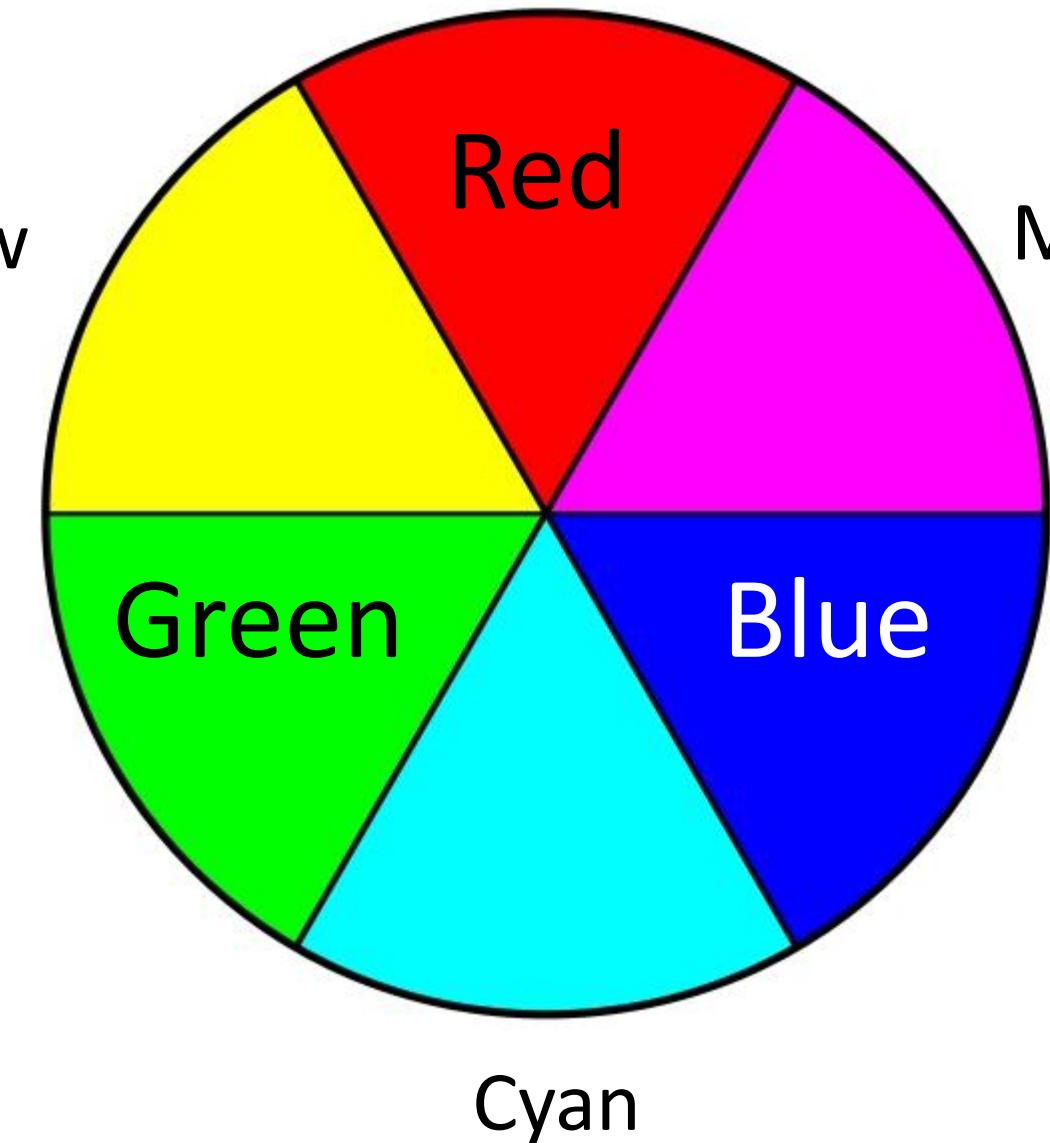
With **paint**, colours
work like this:



With **light**, colours
work like this:



RGB Colours



RGB stands for:
Red
Green
Blue

Those are the
primary colours
with light-based
colour.

RGB Colours

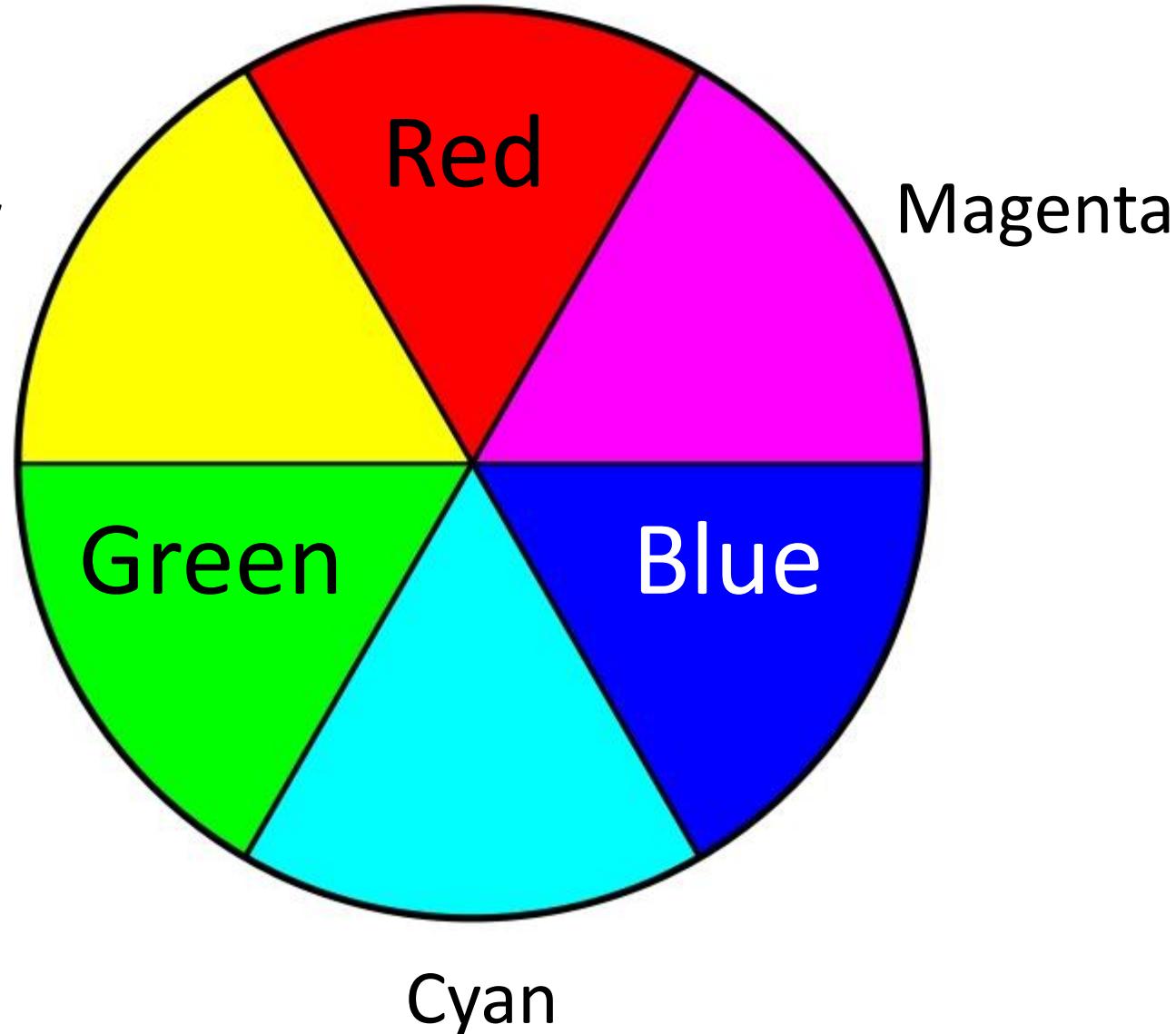
Yellow

The secondary
RGB colours are:

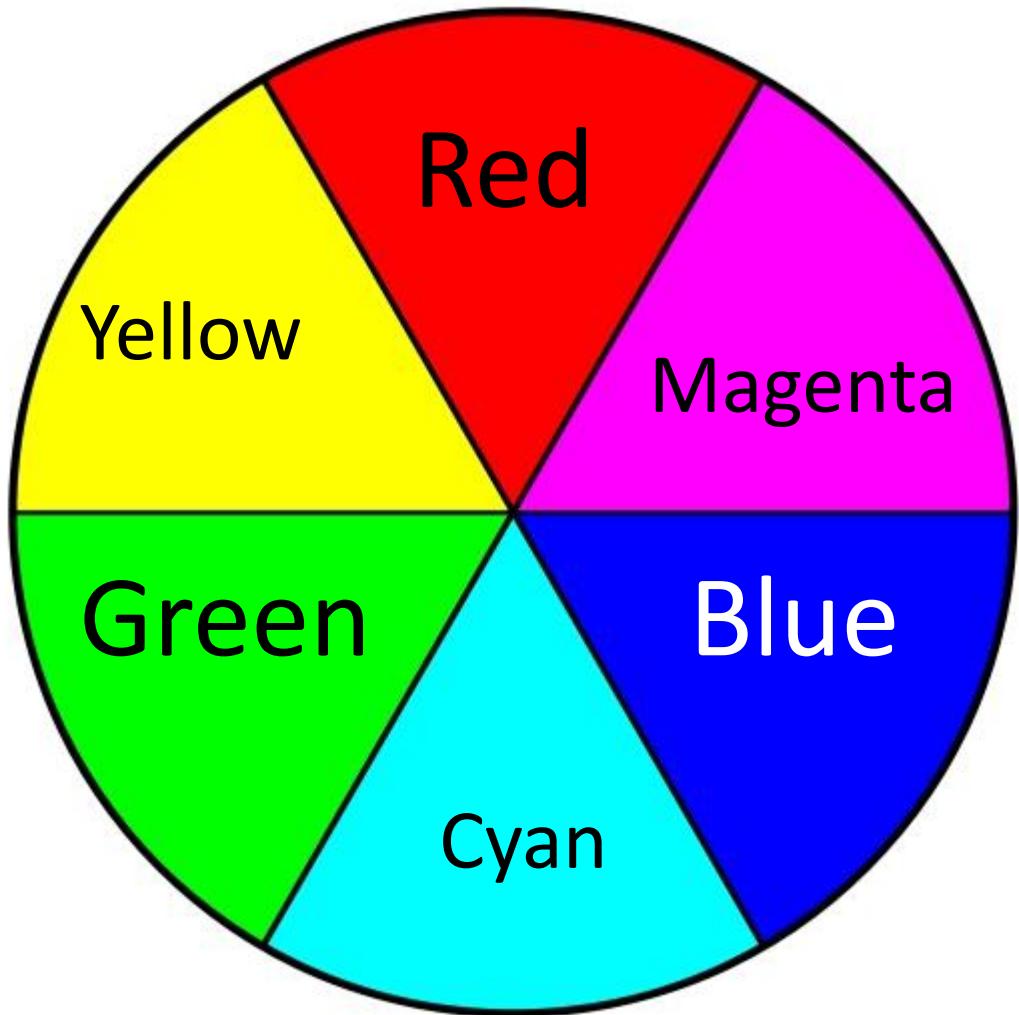
Magenta

Yellow

Cyan



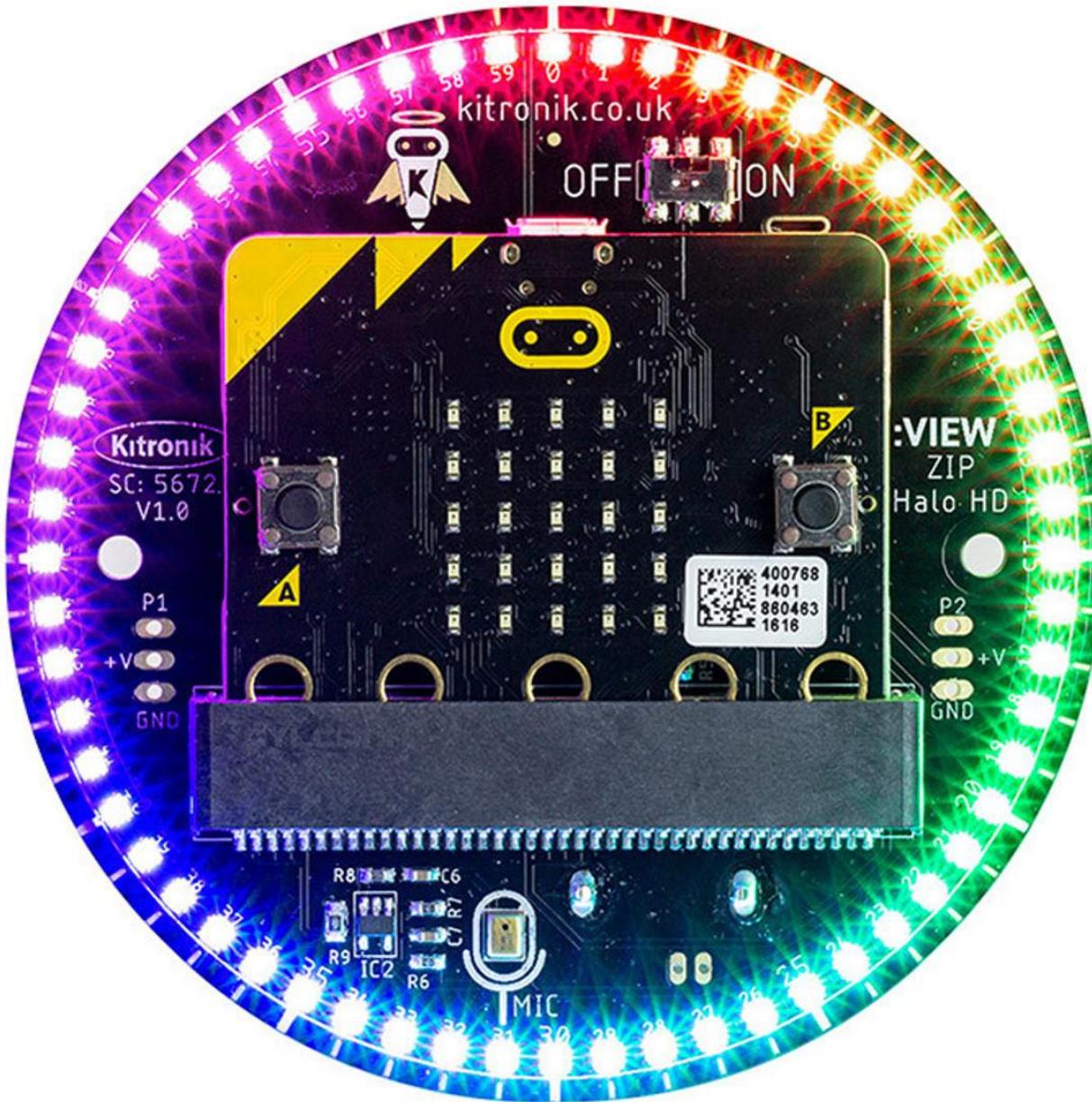
RGB Colours



$R + G = \text{Yellow}$

$G + B = \text{Cyan}$

$R + B = \text{Magenta}$



Set LED #2 to
be red.

Max value
is 255

Min value
is 0

set **haloDisplay** ▾ to **to Halo HD with 60 ZIP LEDs**

haloDisplay ▾ set **ZIP LED** **to** **red** **green** **blue**



Set LED #2 to
be red.

Max value
is 255

Min value
is 0

set **haloDisplay** ▾ to **to Halo HD with 60 ZIP LEDs**

haloDisplay ▾ set **ZIP LED 2 to red** **green** **blue**



Set LED #2 to
be red.

Max value
is 255

Min value
is 0

set **haloDisplay** ▾ to **to Halo HD with 60 ZIP LEDs**

haloDisplay ▾ set **ZIP LED 2 to red 255 green 0 blue 0**



Set LED #53 to
be cyan.

Max value
is 255

Min value
is 0

set **haloDisplay** ▾ to **to Halo HD with 60 ZIP LEDs**

haloDisplay ▾ set **ZIP LED** **to** **red** **green** **blue**



Set LED #53 to
be cyan.

Max value
is 255

Min value
is 0

set **haloDisplay** ▾ to **to Halo HD with 60 ZIP LEDs**

haloDisplay ▾ set **ZIP LED 53 to red 0 green 255 blue 255**



What colour is
this?

Max value
is 255

Min value
is 0

set **haloDisplay** ▾ to **to Halo HD with 60 ZIP LEDs**

haloDisplay ▾ set **ZIP LED 57 to red 0 green 255 blue 0**



What colour is
this?

Max value
is 255

Min value
is 0

set haloDisplay **▼** to to Halo HD with 60 ZIP LEDs

haloDisplay **▼** set ZIP LED 0 to red 0 green 255 blue 255



White = Max in each

set haloDisplay ▾ to to Halo HD with 60 ZIP LEDs

haloDisplay ▾ set ZIP LED 0 to red 255 green 255 blue 255



Sun

Black = Min in each

set haloDisplay ▾ to to Halo HD with 60 ZIP LEDs

haloDisplay ▾ set ZIP LED 1 to red 0 green 0 blue 0



Space

White = Max in each

set haloDisplay ▾ to to Halo HD with 60 ZIP LEDs

haloDisplay ▾ set ZIP LED 0 to red 255 green 255 blue 255



Sun

Black = Min in each

set haloDisplay ▾ to to Halo HD with 60 ZIP LEDs

haloDisplay ▾ set ZIP LED 1 to red 0 green 0 blue 0

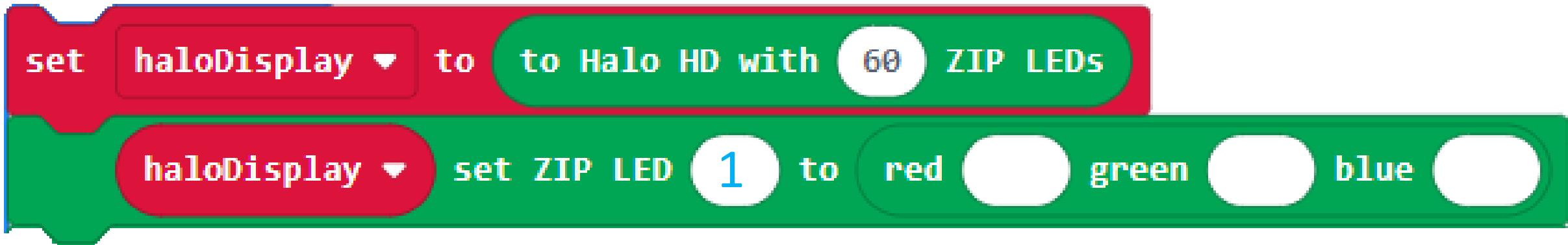


Space

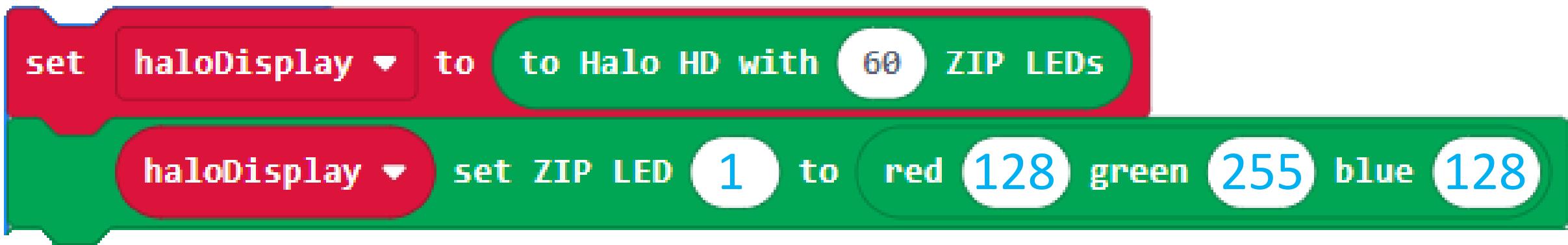
Light Green isn't
uses some of each
of three colours.



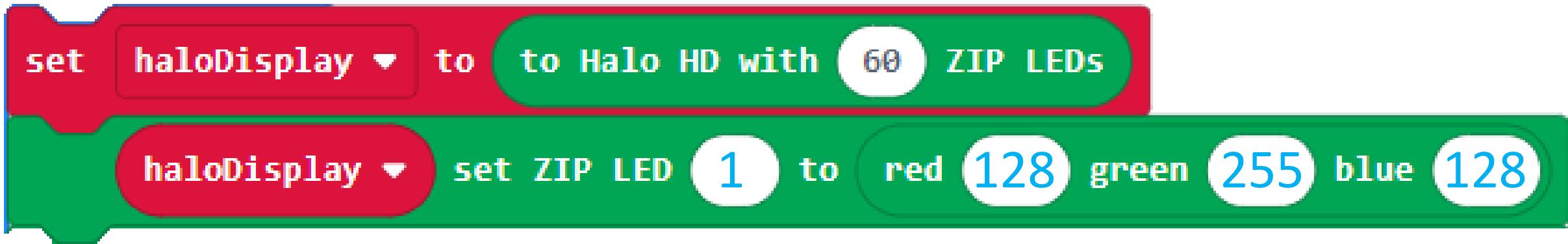
Light Green isn't
uses some of each
of three colours.



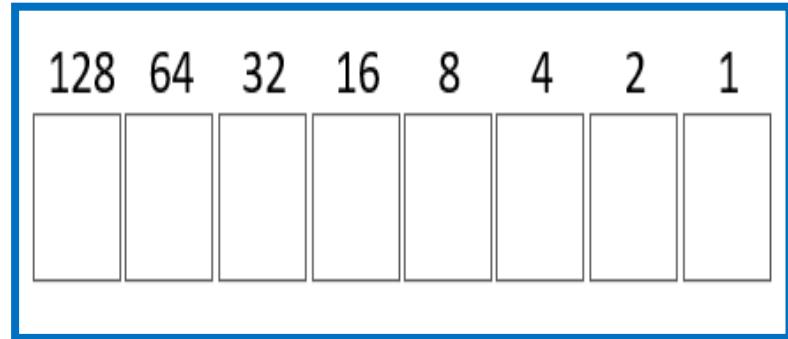
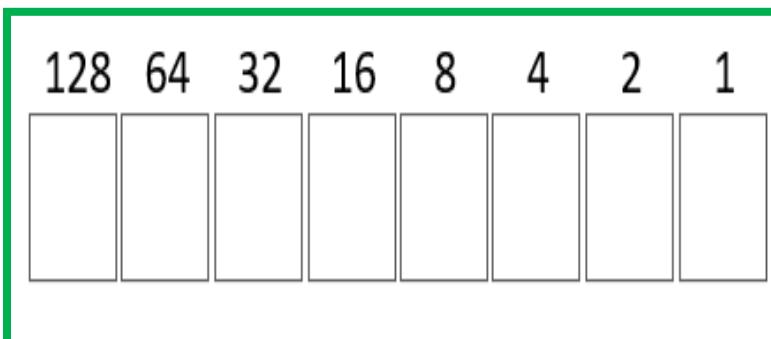
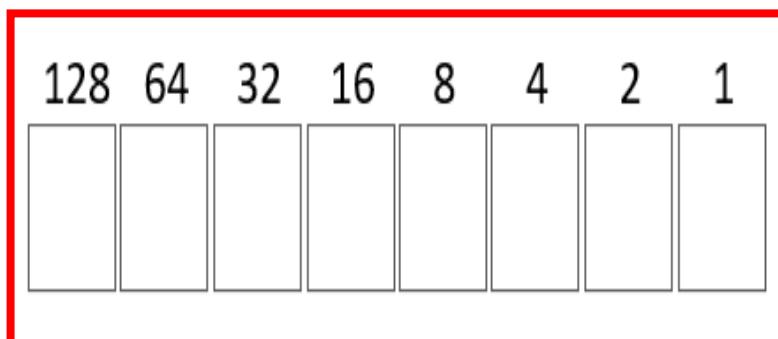
Light Green isn't
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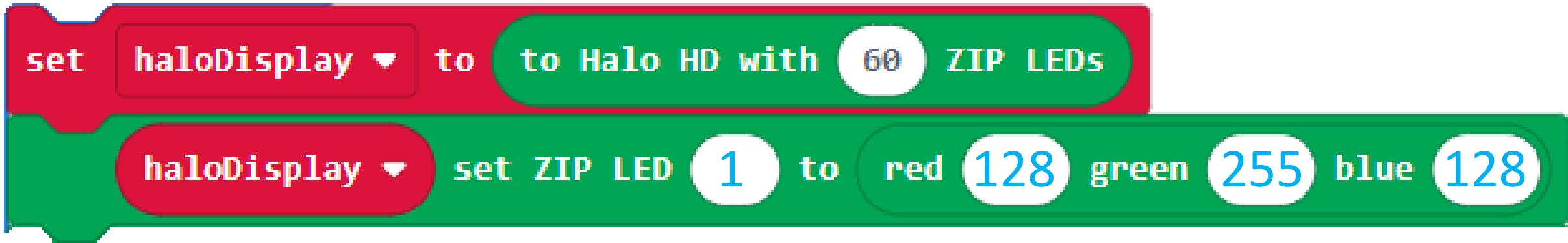
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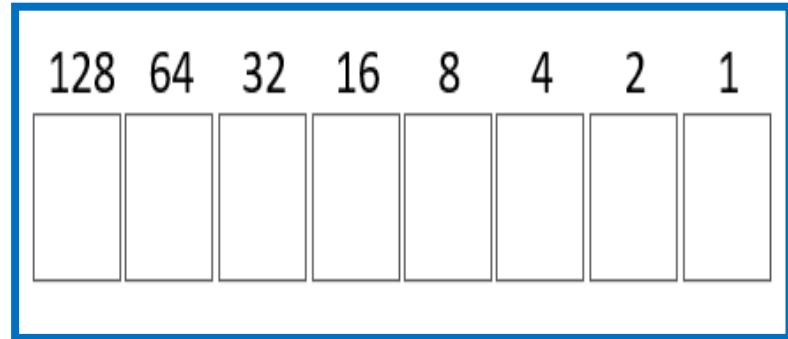
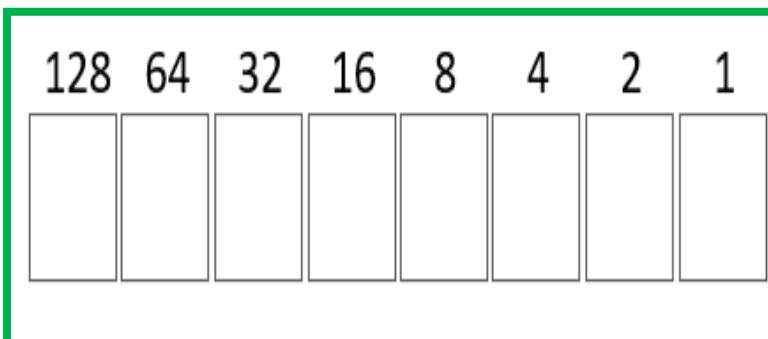
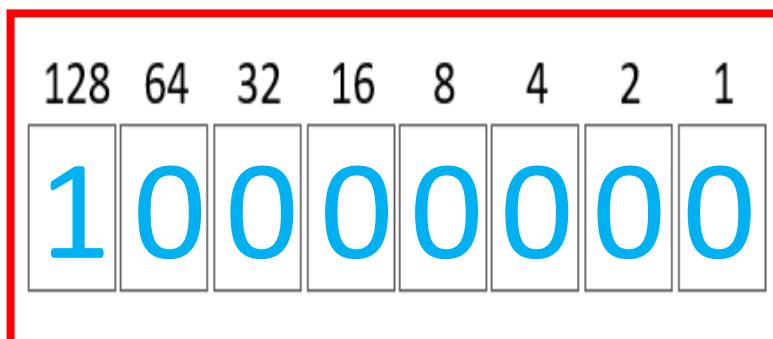
On the computer, RGB values are stored in 24 bits (3×8 bits each)



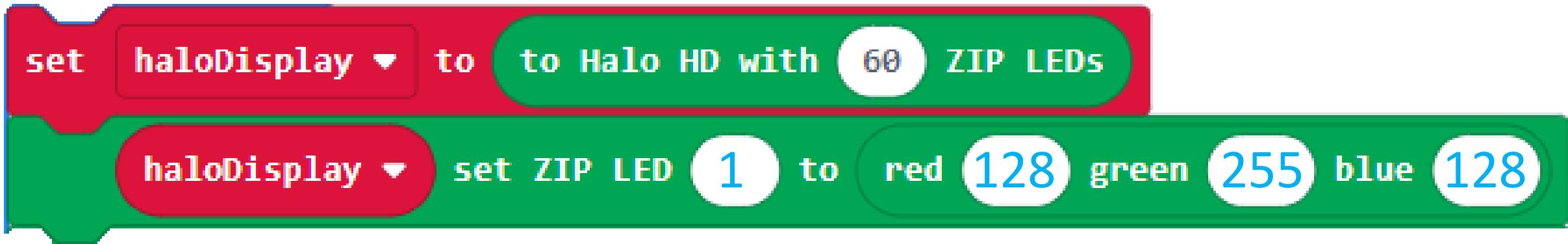
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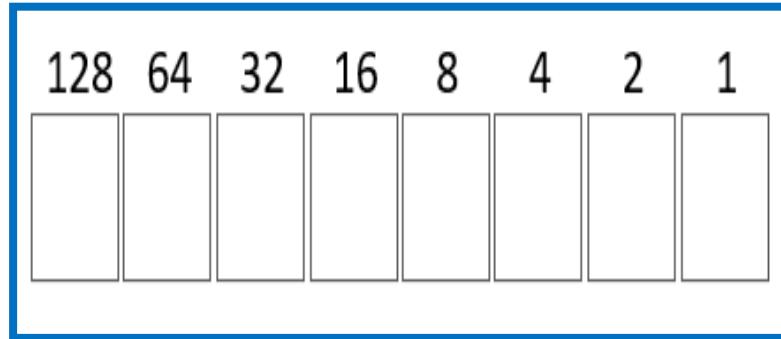
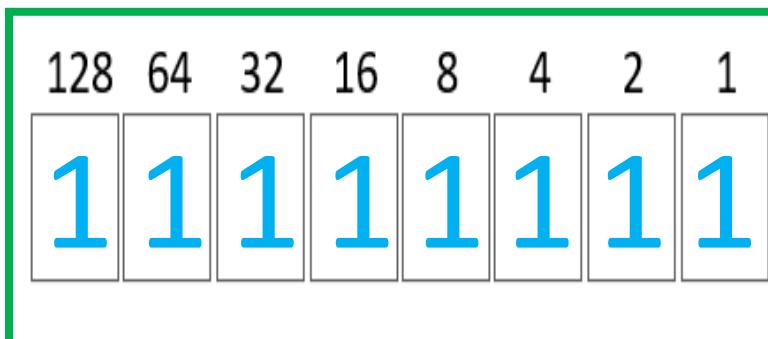
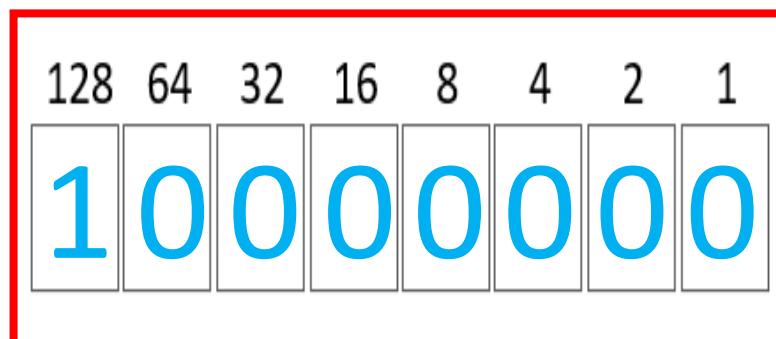
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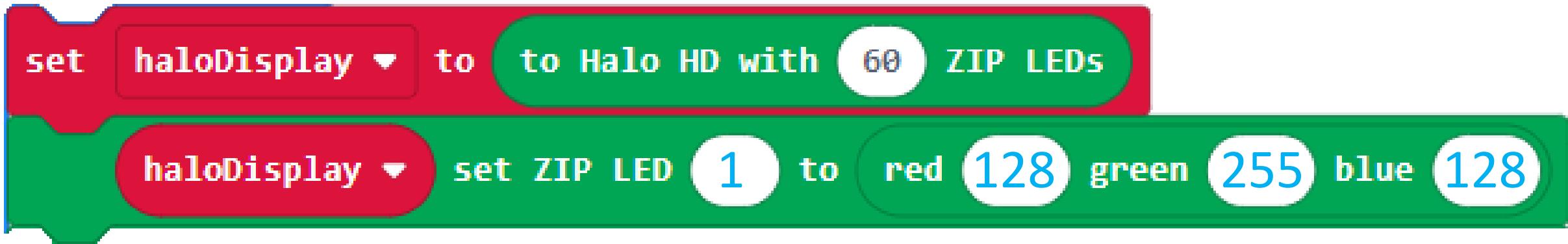
Light Green isn't
uses some of each
of three colours.



On the computer, RGB values are stored in 24 bits (3×8 bits each)



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