Recall:
$$6293_{10} = 6000 + 200 + 90 + 3$$

= $6 \times 16^3 + 2 \times 10^2 + 9 \times 10^1 + 3 \times 10^0$

Binary is the same but wing base 2 instead of 10.

ey.
$$101106_2 = 1 \times 2^5 + 0 \times 2^4 + 1 \times 2^3 + 1 \times 2^2 + 0 \times 2^7 + 0 \times 2^9$$

 $1 = 32 + 8 + 4$
 $1 = 32 + 4$

- Any positive integer can be written in birary.

- Any character is represented as a specific number code. - String is a sequence of cheracters - sequence of #s.

- Colors?

Color -> 3 numbers for red, green, blue.

typically 8 bits per color.

Each "pixel" (picture element) 17 R+G+B.

(internet)