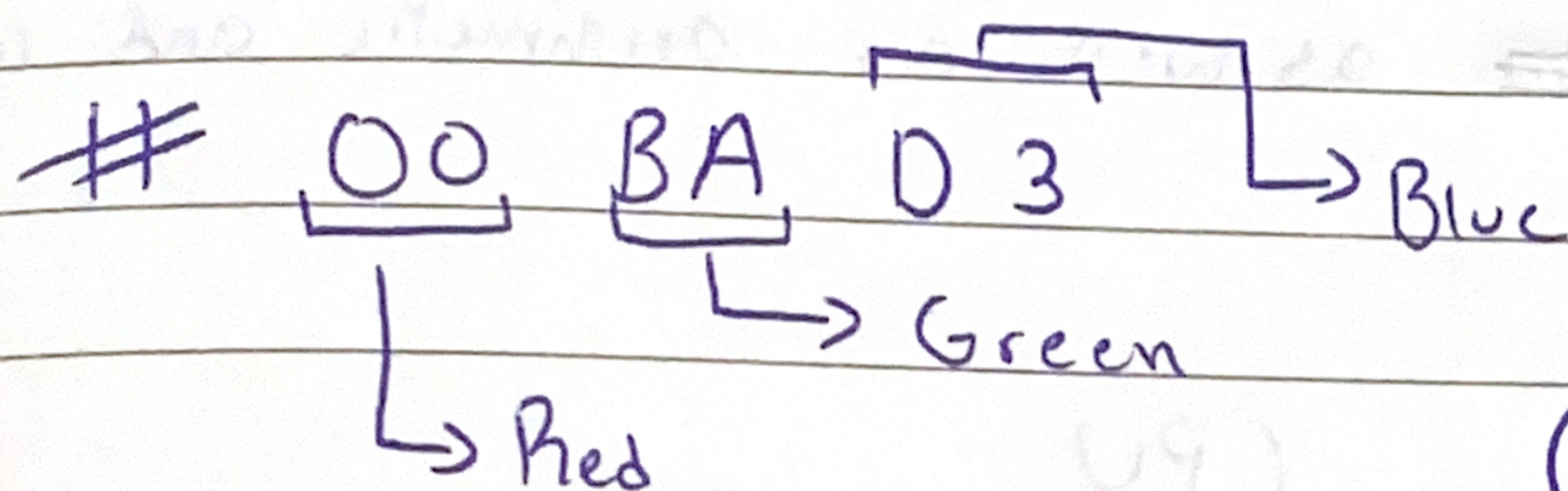


Hex codes → Colour representations.

Colours are represented in hex codes, which are values in the hexadecimal number system, split into red, green and blue.



$$(256)^3 = 16.7m$$

This means there are 256 different combinations ~~per~~ or strengths of red, blue, or green, and a total of $(256)^3$ combinations possible.

In other words 24 total bits or 8 bits per color (red, blue, green).

Strings (unicode) → text representations

Unicode is a universal character encoding system that allows characters to be about 32 bits, however generally being about 16 bits.

This differs from ~~unicode~~ ascii, as ascii can only hold character values of American Standard. It is a 7 Bit encoding with 128 characters.