

# HEX $\rightarrow$ RGB

1. #3461fa

$$\begin{aligned} 3 \star 16 &= 48 & 6 \star 16 &= 96 & f \rightarrow 15 \star 16 &= 240 \\ 48 + 4 &= 52 & 96 + 1 &= 97 & a \rightarrow 10 + 240 &= 250 \end{aligned}$$

(52, 97, 250)

#ab34c6

$$\begin{aligned} a \rightarrow 10 \star 16 &= 160 & 3 \star 16 &= 48 & c \rightarrow 12 \star 16 &= 192 \\ b \rightarrow 11 + 160 &= 171 & 48 + 4 &= 52 & 192 + 6 &= 198 \end{aligned}$$

(171, 52, 198)

#feb237

$$\begin{aligned} f \rightarrow 15 \star 16 &= 240 & b \rightarrow 11 \star 16 &= 176 & 3 \star 16 &= 48 \\ e \rightarrow 14 + 240 &= 254 & 176 + 2 &= 178 & 48 + 7 &= 55 \end{aligned}$$

(254, 178, 55)

#ab4571

$$\begin{aligned} a \rightarrow 10 \star 16 &= 160 & 4 \star 16 &= 64 & 7 \star 16 &= 112 \\ b \rightarrow 11 + 160 &= 171 & 64 + 5 &= 69 & 112 + 1 &= 113 \end{aligned}$$

(171, 69, 113)

#34c6ab

$$\begin{aligned} 3 \star 16 &= 48 & c \rightarrow 12 \star 16 &= 192 & a \rightarrow 10 \star 16 &= 160 \\ 48 + 4 &= 52 & 192 + 6 &= 198 & b \rightarrow 11 + 160 &= 171 \end{aligned}$$

(52, 198, 171)

#237feb

$$\begin{aligned} 2 \star 16 &= 32 & 7 \star 16 &= 112 & e \rightarrow 14 \star 16 &= 224 \\ 32 + 3 &= 35 & f \rightarrow 15 + 112 &= 127 & b \rightarrow 11 + 224 &= 235 \end{aligned}$$

(35, 127, 235)

#b4571a

$$\begin{aligned} b \rightarrow 11 \star 16 &= 176 & 5 \star 16 &= 80 & 1 \star 16 &= 16 \\ 4 + 176 &= 180 & 7 + 80 &= 87 & a \rightarrow 10 + 16 &= 26 \end{aligned}$$

(180, 87, 26)

#5ab471

$$\begin{aligned} 5 \star 16 &= 80 & b \rightarrow 11 \star 16 &= 176 & 7 \star 16 &= 112 \\ a \rightarrow 10 + 80 &= 90 & 4 + 176 &= 180 & 112 + 1 &= 113 \end{aligned}$$

(90, 180, 113)



# RGB to HEX

2. (213, 22, 2)

$$213/16 = 13.31 \star 16 = 5 \quad 22/16 = 1.38 \star 16 = 12, 2$$

#D51602

(212, 226, 52)

$$212/16 = 13.25 \star 16 = 4 \quad 226/16 = 14.125 \star 16 = 2$$

#D4E234

$$52/16 = 3.25 \star 16 = 4$$

(13, 124, 41)

$$13 \rightarrow 0 \quad 124/16 = 7.75 \star 16 = 12 \quad 41/16 = 2.5625 \star 16 = 9$$

#007C29

(213, 32, 113)

$$213/16 = 13.3125 \star 16 = 5 \quad 32/16 = 2 \quad 113/16 = 7.0625 \star 16 = 1$$

#D52071

(226, 12, 52)

$$226/16 = 14.125 \star 16 = 2 \quad 12 \rightarrow C \quad 52/16 = 3.25 \star 16 = 4$$

#E20C34

(12, 124, 41)

$$12 \rightarrow C \quad 124/16 = 7.75 \star 16 = 12 \quad 41/16 = 2.5625 \star 16 = 9$$

#0C7C29

(23, 132, 11)

$$23/16 = 1.4375 \star 16 = 7 \quad 132/16 = 8.25 \star 16 = 4 \quad 11 \rightarrow B$$

#17840B

(112, 23, 124, 4)

$$112/16 = 7 \quad 23/16 = 1.4375 \star 16 = 7 \quad 124/16 = 7.75 \star 16 = 12$$

#0717C6

$$.4 \rightarrow 66$$

## Question

4 CSS properties that need color values are:

- foreground-color
- background-color
- border-color
- font-color