

## 1 Convert to rgb format

- #3461fa
  - #3451fa = rgb(52,81,250)
  - $34 = 3 * 16^1 + 4 * 16^0 = 3 * 16 + 4 * 1 = 52$
  - $51 = 5 * 16^1 + 1 * 16^0 = 5 * 16 + 1 * 1 = 81$
  - $fa = f * 16^1 + a * 16^0 = 15 * 16 + 10 * 1 = 250$
- #ab34c6
  - #ab34c6 = rgb(171,52,198)
  - $ab = a * 16^1 + b * 16^0 = 10 * 16 + 11 * 1 = 171$
  - $34 = 3 * 16^1 + 4 * 16^0 = 3 * 16 + 4 * 1 = 52$
  - $c6 = c * 16^1 + 6 * 16^0 = 12 * 16 + 6 * 1 = 198$
- #feb237
  - #feb237 = rgb(254,178,55)
  - $fe = f * 16^1 + e * 16^0 = 15 * 16 + 14 * 1 = 254$
  - $b2 = b * 16^1 + 2 * 16^0 = 11 * 16 + 2 * 1 = 178$
  - $37 = 3 * 16^1 + 7 * 16^0 = 3 * 16 + 7 * 1 = 55$
- #ab4571
  - #ab4571 = rgb(171,69,113)
  - $ab = a * 16^1 + b * 16^0 = 10 * 16 + 11 * 1 = 171$
  - $45 = 4 * 16^1 + 5 * 16^0 = 4 * 16 + 5 * 1 = 69$
  - $71 = 7 * 16^1 + 1 * 16^0 = 7 * 16 + 1 * 1 = 113$
- #5ab471
  - #5ab471 = rgb(90,180,113)
  - $5a = 5 * 16^1 + a * 16^0 = 5 * 16 + 10 * 1 = 90$
  - $b4 = b * 16^1 + 4 * 16^0 = 11 * 16 + 4 * 1 = 180$
  - $71 = 7 * 16^1 + 1 * 16^0 = 7 * 16 + 1 * 1 = 113$

## 2. Convert to hex format

- rgb(213, 22,2)
  - $\text{rgb}(213,22,2) = \#D51602$
  - $213 = 16 * 13 + 1 * 5 = d5$
  - $22 = 16 * 1 + 1 * 6 = 16$
  - $2 = 16 * 0 + 1 * 2 = 02$
- rgb(112,226,52)
  - $\text{rgb}(112,226,52) = \#70E234$
  - $112 = 16 * 7 + 1 * 0 = 70$

- $226 = 16 * 14 + 1 * 2 = E2$
- $52 = 16 * 3 + 1 * 4 = 34$
- `rgb(12,124,41)`
  - `rgb(12,124,41) = #0C7C29`
  - $12 = 16 * 0 + 12 * 1 = 0C$
  - $124 = 16 * 7 + 12 * 1 = 7C$
  - $41 = 16 * 2 + 9 * 1 = 29$
- `rgb(223,32,113)`
  - `rgb(223,32,113) = #DF2071`
  - $223 = 16 * 13 + 15 * 1 = DF$
  - $32 = 16 * 2 + 0 * 1 = 20$
  - $113 = 16 * 7 + 1 * 1 = 71$
- `rgba(112,23,124,.4)`
  - `rgba(112,23,124,.4) = #70177C`
  - $112 = 16 * 7 + 0 * 1 = 70$
  - $23 = 16 * 1 + 7 * 1 = 17$
  - $124 = 16 * 7 + 12 * 1 = 7C$

## 1 List 5 html tags

- `<li>` list item
- `<ol>` ordered list
- `<font>` specify font color, size & family
- `<br>` line break
- `<th>` table header

## 2 List 5 html attributes

- `alt` lists alternative descriptions for images if the image can't be loaded
- `style` works to specify styles like color/size/font
- `src` links the source of an image
- `align` aligns elements
- `lang` lets the user know what language the document is in