Converting Colors

RGB(0, 80, 252)

Have a look what the booklet for RGB(0, 80, 252) contains.

Color

RGB(0, 80, 252)

Conversions

Conversions Part 1

Format	Color
Hex	0050FC
RGB	0, 80, 252
RGB Percent	0%, 31%, 99%
CMY	1.0000, 0.6863, 0.0118
CMYK	1.00, 0.68, 0.00, 0.01
HSL	221°, 100%, 49%
HSV	221°, 100%, 99%
XYZ	20.4393, 12.7656, 93.4822
YIQ	75.6880, -102.8920, 36.5320

Conversions

Conversions Part 2

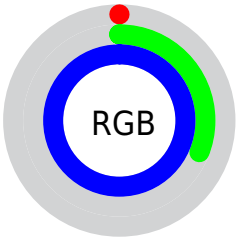
Format	Color
RYB	0, 61, 252
Decimal	20732
CIELab	42.41, 47.80, -89.38
CIELCh	42, 101.362, 298.136
Yxy	12.7656, 0.1613, 0.1008
Android (android.graphics.Color)	4278210812 (0xFF0050FC)
YUV	75.6880, 86.9218, -66.3784
Hunter-Lab	35.7290, 39.5882, -130.1176

Details

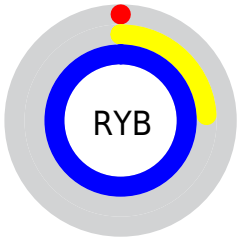
The RGB color 0, 80, 252 is a dark color, and the websafe version is hex 0033CC. The color can be described as dark saturated blue. A complement of this color would be 252, 172, 0, and the grayscale version is 75, 75, 75.

A 20% lighter version of the original color is 115, 129, 255, and 0, 36, 194 is the 20% darker color. If you saturate the color by 10%, you get 0, 80, 252, and if you desaturate by 10%, it is 25, 97, 252.

Distribution

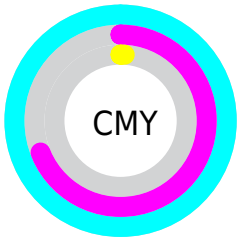


- Red (0%)
- Green (31%)
- Blue (99%)



- Red (0%)
- Yellow (24%)
- Blue (99%)

- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (69%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RGB color 0, 80, 252 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 0, 80, 252 by changing the saturation by 10% instead.

0, 80, 252	0, 80, 252
255, 255, 255	0, 57, 223
115, 129, 255	0, 36, 194
150, 155, 255	0, 18, 166
183, 182, 255	0, 0, 138
215, 210, 255	0, 9, 112
247, 238, 255	0, 12, 86
	0, 6, 62
	0, 3, 39
	0, 1, 17

0, 80, 252

25, 97, 252

50, 114, 252

76, 132, 252

101, 149, 252

126, 166, 252

151, 183, 252

176, 200, 252

202, 218, 252

227, 235, 252

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

0, 115, 255

0, 80, 252

188, 0, 190

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

0, 80, 252

188, 48, 0

0, 129, 93

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

0, 80, 252

252, 172, 0

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

0, 125, 0

0, 80, 252

127, 96, 0

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

0, 80, 252

228, 0, 29

30, 117, 0

0, 131, 178

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

0, 80, 252

224, 0, 137

30, 117, 0

0, 128, 62

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

0, 80, 252

179, 203, 255

0, 252, 168

82, 96, 128

0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

0, 80, 252

0, 81, 255

42, 0, 252

112, 116, 125

0, 60, 189

0, 19, 61

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

252, 0, 80

255, 0, 81

210, 252, 0

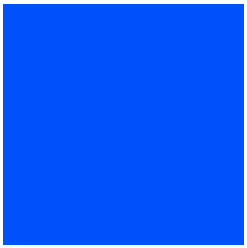
125, 112, 116

189, 0, 60

61, 0, 19

Previews

White Background

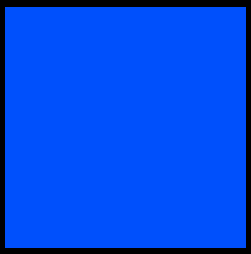


This preview shows how the RGB color 0, 80, 252 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

Black Background



This preview shows how the RGB color 0, 80, 252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 0, 80, 252 Background

This preview shows how black text looks on a background with the RGB color 0, 80, 252.

This preview shows how white text looks on a background with the RGB color 0, 80, 252.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

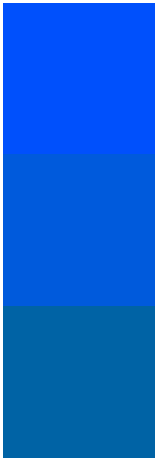
Dichromacy

Original Color
0, 80, 252

Protanopia
0, 96, 202

Tritanopia
0, 110, 116

Trichromacy



Original Color
0, 80, 252

Protanomaly
0, 90, 220

Tritanomaly
0, 99, 165

Monochromacy

Original Color
0, 80, 252

Achromatopsia
76, 76, 76

Achromatomaly
48, 77, 140

CSS Examples

Text

The CSS property to change the color of the text to RGB 0, 80, 252 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(0, 80, 252) looks like.

```
.text, #text, p{
    color:rgb(0, 80, 252)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(0, 80, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 80, 252) }
```

Border

The CSS property to change the border of an element to RGB 0, 80, 252 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 80, 252) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 80, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 80, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 80, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 80, 252); box-shadow:4px 4px 4px 4px rgb(0, 80, 252) }
```

Background

The CSS property to change the background color of an element to RGB 0, 80, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 80, 252) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(0, 80,
252) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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