

Converting Colors

RGB(80, 50, 233)

Have a look what the booklet for
RGB(80, 50, 233) contains.

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Color

RGB(80, 50, 233)

Conversions

Conversions Part 1

Format	Color
Hex	5032E9
RGB	80, 50, 233
RGB Percent	31%, 20%, 91%
CMY	0.6863, 0.8039, 0.0863
CMYK	0.66, 0.79, 0.00, 0.09
HSL	250°, 81%, 55%
HSV	250°, 79%, 91%
XYZ	19.1568, 9.8699, 77.9862
YIQ	79.8320, -40.8630, 63.2730

Conversions

Conversions Part 2

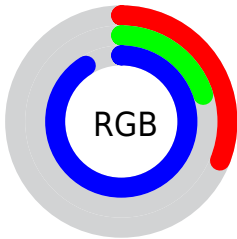
Format	Color
R _Y B	80, 50, 233
Decimal	5255913
CIE _{Lab}	37.61, 62.09, -86.52
CIE _{LCh}	38, 106.489, 305.665
Yxy	9.8699, 0.1790, 0.0922
Android (android.graphics.Color)	4283445993 (0xFF5032E9)
YUV	79.8320, 75.5118, 0.1473
Hunter-Lab	31.4163, 53.8659, -125.1867

Details

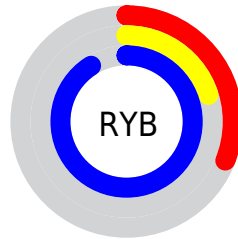
The RGB color **80, 50, 233** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **203, 233, 50**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **147, 102, 255**, and **0, 0, 176** is the 20% darker color. If you saturate the color by 10%, you get **61, 27, 233**, and if you desaturate by 10%, it is **99, 73, 233**.

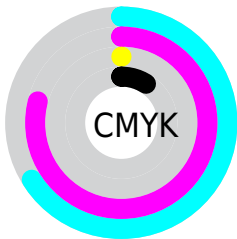
Distribution



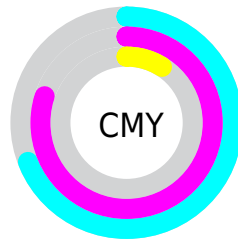
- Red (31%)
- Green (20%)
- Blue (91%)



- Red (31%)
- Yellow (20%)
- Blue (91%)



- Cyan (66%)
- Magenta (79%)
- Yellow (0%)
- Black (9%)





















- Cyan (69%)
- Magenta (80%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RGB color 80, 50, 233 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 80, 50, 233 by changing the saturation by 10% instead.

 80, 50, 233	 80, 50, 233
 255, 255, 255	 35, 23, 204
 147, 102, 255	 0, 0, 176
 179, 128, 255	 0, 0, 148
 210, 155, 255	 0, 0, 121
 241, 183, 255	 0, 8, 95
 255, 211, 255	 0, 8, 70
 255, 240, 255	 0, 4, 47
	 0, 1, 25
	 0, 0, 0

■ 80, 50, 233

■ 80, 50, 233

■ 61, 27, 233

■ 99, 73, 233

■ 41, 3, 233

■ 119, 97, 233

■ 38, 0, 233

■ 138, 120, 233

■ 158, 143, 233

■ 177, 167, 233

■ 197, 190, 233

■ 216, 213, 233

■ 236, 236, 233

■ 255, 255, 233

Harmonies

Analogous

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



0, 99, 255



80, 50, 233



195, 0, 162

Triad

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



80, 50, 233



162, 50, 0



0, 117, 104

Complementary

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



80, 50, 233



203, 233, 50

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, 114, 0



80, 50, 233



94, 92, 0

Square

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



80, 50, 233



209, 0, 0



0, 108, 0



0, 119, 189

Rectangle

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



80, 50, 233



221, 0, 105



0, 108, 0



0, 116, 73

Sweetspot

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



80, 50, 233



204, 194, 255



50, 206, 233



97, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 50, 233



55, 15, 255



169, 50, 233



107, 106, 117



30, 0, 181



9, 0, 54

Inverse Universe

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



233, 50, 203



255, 15, 216



114, 233, 50



117, 106, 115



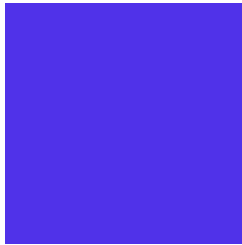
181, 0, 151



54, 0, 45

Previews

White Background



This preview shows how the RGB color 80, 50, 233 looks on a white background.

Color Contrast Check

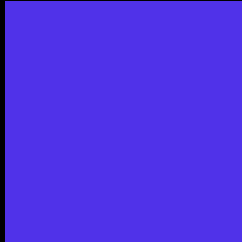
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RGB color 80, 50, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

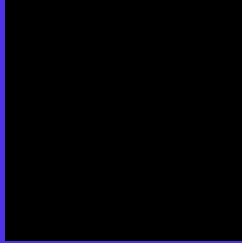
Any Text WCAG AA × Fail

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 80, 50, 233 Background



This preview shows how black text looks on a background with the RGB color 80, 50, 233.



This preview shows how white text looks on a background with the RGB color 80, 50, 233.

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
80, 50, 233

Protanopia
0, 85, 179

Deuteranopia
0, 91, 152



Tritanopia
0, 98, 105

Trichromacy



Original Color
80, 50, 233

Protanomaly
29, 72, 199

Deuteranomaly
29, 76, 181

Tritanomaly
29, 81, 152

Monochromacy



Original Color
80, 50, 233

Achromatopsia
80, 80, 80

Achromatomaly
80, 69, 136

CSS Examples

Text

The CSS property to change the color of the text to RGB 80, 50, 233 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(80, 50, 233)` looks like.

```
.text, #text, p{  
  color:rgb(80, 50, 233)  
}
```

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(80, 50, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 50, 233) }
```

Border

The CSS property to change the border of an element to RGB 80, 50, 233 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(80, 50, 233) }
```

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

```
.border{ border-color:rgb(80, 50, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 50, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 50, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 50, 233);  
box-shadow:4px 4px 4px 4px rgb(80, 50,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 80, 50, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 50, 233) }
```

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

```
.background{ background-color: rgb(80, 50,  
233) }
```

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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