

Converting Colors

RGB(87, 55, 229)

Have a look what the booklet for
RGB(87, 55, 229) contains.

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Color

RGB(87, 55, 229)

Conversions

Conversions Part 1

Format	Color
Hex	5737E5
RGB	87, 55, 229
RGB Percent	34%, 22%, 90%
CMY	0.6588, 0.7843, 0.1020
CMYK	0.62, 0.76, 0.00, 0.10
HSL	251°, 77%, 56%
HSV	251°, 76%, 90%
XYZ	19.4395, 10.4158, 75.1146
YIQ	84.4040, -36.7820, 60.8980

Conversions

Conversions Part 2

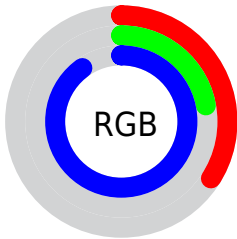
Format	Color
R _Y B	87, 55, 229
Decimal	5715941
CIE Lab	38.58, 59.34, -82.62
CIE LCh	39, 101.720, 305.687
Yxy	10.4158, 0.1852, 0.0992
Android (android.graphics.Color)	4283906021 (0xFF5737E5)
YUV	84.4040, 71.2858, 2.2767
Hunter-Lab	32.2735, 51.0388, -115.4027

Details

The RGB color **87, 55, 229** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **197, 229, 55**, and the grayscale version is **84, 84, 84**.

A 20% lighter version of the original color is **152, 106, 255**, and **0, 0, 172** is the 20% darker color. If you saturate the color by 10%, you get **68, 32, 229**, and if you desaturate by 10%, it is **106, 78, 229**.

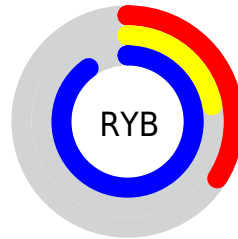
Distribution



Red (34%)

Green (22%)

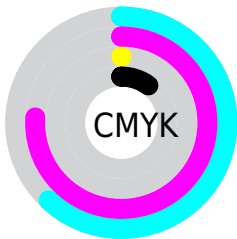
Blue (90%)



Red (34%)

Yellow (22%)

Blue (90%)

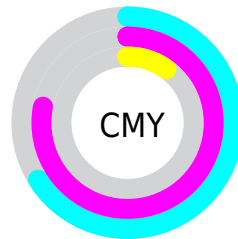


Cyan (62%)

Magenta (76%)

Yellow (0%)

Black (10%)



Cyan (66%)

Magenta (78%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 55, 229 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 87, 55, 229 by changing the saturation by 10% instead.



87, 55, 229



87, 55, 229

255, 255, 255



48, 29, 200



152, 106, 255



0, 0, 172



183, 133, 255



0, 0, 144



214, 160, 255



0, 0, 118



245, 187, 255



0, 6, 92



255, 216, 255



0, 7, 67



255, 245, 255



0, 3, 44



0, 1, 22



0, 0, 0

■ 87, 55, 229

■ 87, 55, 229

■ 68, 32, 229

■ 106, 78, 229

■ 50, 9, 229

■ 124, 101, 229

■ 42, 0, 229

■ 143, 124, 229

■ 162, 147, 229

■ 180, 170, 229

■ 199, 192, 229

■ 218, 215, 229

■ 237, 238, 229

■ 255, 255, 229

Harmonies

Analogous

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



0, 100, 255



87, 55, 229



194, 0, 161

Triad

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



87, 55, 229



163, 55, 0



0, 119, 105

Complementary

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



87, 55, 229



197, 229, 55

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, 116, 2



87, 55, 229



98, 94, 0

Square

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



87, 55, 229



208, 0, 0



0, 110, 0



0, 121, 188

Rectangle

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



87, 55, 229



219, 0, 107



0, 110, 0



0, 118, 76

Sweetspot

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



87, 55, 229



207, 196, 255



55, 197, 229



98, 92, 128



0, 0, 0



128, 128, 128

Same Dimension

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



87, 55, 229



66, 23, 255



174, 55, 229



105, 103, 115



33, 0, 179



9, 0, 51

Inverse Universe

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



229, 55, 197



255, 23, 212



110, 229, 55



115, 103, 113



179, 0, 146



51, 0, 42

Previews

White Background



This preview shows how the RGB color 87, 55, 229 looks on a white background.

Color Contrast Check

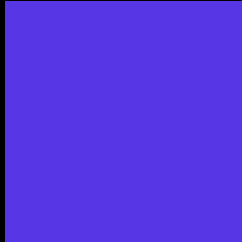
Large Text (above 18pt) WCAG AA ✓ Pass

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 87, 55, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

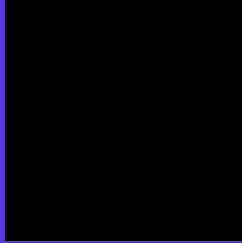
Any Text WCAG AA × Fail

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 87, 55, 229 Background



This preview shows how black text looks on a background with the RGB color 87, 55, 229.

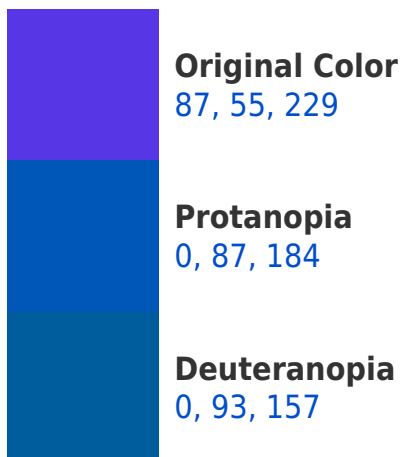


This preview shows how white text looks on a background with the RGB color 87, 55, 229.

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





Tritanopia
11, 100, 108

Trichromacy



Original Color
87, 55, 229

Protanomaly
32, 75, 200

Deuteranomaly
32, 79, 183

Tritanomaly
39, 84, 152

Monochromacy



Original Color
87, 55, 229

Achromatopsia
84, 84, 84

Achromatomaly
85, 73, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 55, 229 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(87, 55, 229) looks like.

```
.text, #text, p{  
    color:rgb(87, 55, 229)  
}
```

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(87, 55, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 55, 229) }
```

Border

The CSS property to change the border of an element to RGB 87, 55, 229 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(87, 55, 229) }
```

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

```
.border{ border-color:rgb(87, 55, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 55, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 55, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 55, 229);  
box-shadow:4px 4px 4px 4px rgb(87, 55,  
229) }
```

Background

The CSS property to change the background color of an element to RGB 87, 55, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 55, 229) }
```

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

```
.background{ background-color: rgb(87, 55,  
229) }
```

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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