

Converting Colors

RGB(83, 0, 232)

Have a look what the booklet for
RGB(83, 0, 232) contains.

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Color

RGB(83, 0, 232)

Conversions

Conversions Part 1

Format	Color
Hex	5300E8
RGB	83, 0, 232
RGB Percent	33%, 0%, 91%
CMY	0.6745, 1.0000, 0.0902
CMYK	0.64, 1.00, 0.00, 0.09
HSL	261°, 100%, 45%
HSV	261°, 100%, 91%
XYZ	18.1328, 7.6652, 76.8678
YIQ	51.2650, -25.0040, 89.7480

Conversions

Conversions Part 2

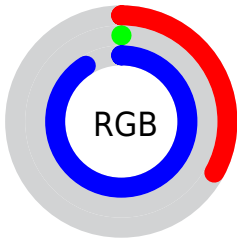
Format	Color
R _Y B	83, 0, 232
Decimal	5439720
CIE Lab	33.28, 75.44, -93.13
CIE LCh	33, 119.849, 309.011
Yxy	7.6652, 0.1766, 0.0747
Android (android.graphics.Color)	4283629800 (0xFF5300E8)
YUV	51.2650, 89.1024, 27.8316
Hunter-Lab	27.6861, 68.4564, -145.2327

Details

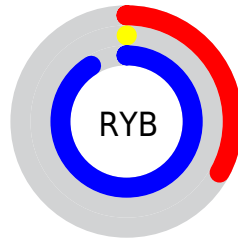
The RGB color **83, 0, 232** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **149, 232, 0**, and the grayscale version is **50, 50, 50**.

A 20% lighter version of the original color is **151, 74, 255**, and **0, 0, 175** is the 20% darker color. If you saturate the color by 10%, you get **83, 0, 232**, and if you desaturate by 10%, it is **98, 23, 232**.

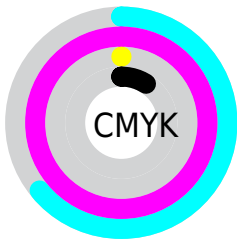
Distribution



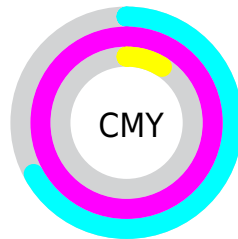
- Red (33%)
- Green (0%)
- Blue (91%)



- Red (33%)
- Yellow (0%)
- Blue (91%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)






















- Cyan (67%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RGB color 83, 0, 232 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 83, 0, 232 by changing the saturation by 10% instead.

 83, 0, 232	 83, 0, 232
 255, 255, 255	 38, 0, 203
 151, 74, 255	 0, 0, 175
 183, 102, 255	 0, 0, 147
 215, 130, 255	 0, 0, 120
 247, 158, 255	 0, 12, 94
 255, 186, 255	 0, 8, 69
 255, 215, 255	 0, 4, 46
 255, 245, 255	 0, 1, 24
	 0, 0, 0

■ 83, 0, 232

■ 98, 23, 232

■ 113, 46, 232

■ 128, 70, 232

■ 143, 93, 232

■ 157, 116, 232

■ 172, 139, 232

■ 187, 162, 232

■ 202, 186, 232

■ 217, 209, 232

Harmonies

Analogous

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



0, 89, 255



83, 0, 232



200, 0, 149

Triad

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



83, 0, 232



147, 40, 0



0, 106, 106

Complementary

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



83, 0, 232



149, 232, 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, 103, 0



83, 0, 232



70, 85, 0

Square

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



83, 0, 232



201, 0, 0



0, 99, 0



0, 110, 200

Rectangle

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



83, 0, 232



223, 0, 87



0, 99, 0



0, 105, 73

Sweetspot

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



83, 0, 232



206, 179, 255



0, 151, 232



98, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 0, 232



91, 0, 255



197, 0, 232



107, 103, 115



64, 0, 179



18, 0, 51

Inverse Universe

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



232, 0, 149



255, 0, 164



35, 232, 0



115, 103, 111



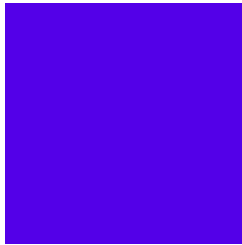
179, 0, 115



51, 0, 33

Previews

White Background



This preview shows how the RGB color 83, 0, 232 looks on a white background.

Color Contrast Check

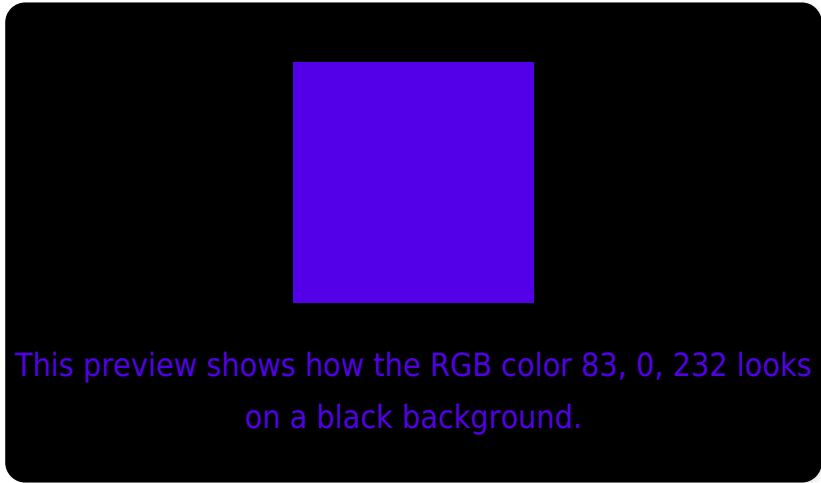
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

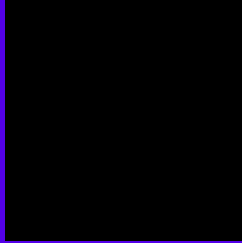
Any Text WCAG AA × Fail

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 83, 0, 232 Background



This preview shows how black text looks on a background with the RGB color 83, 0, 232.



This preview shows how white text looks on a background with the RGB color 83, 0, 232.

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
83, 0, 232

Protanopia
0, 77, 161

Deuteranopia
0, 82, 137



Tritanopia
0, 88, 95

Trichromacy



Original Color
83, 0, 232

Protanomaly
30, 49, 187

Deuteranomaly
30, 52, 172

Tritanomaly
30, 56, 145

Monochromacy



Original Color
83, 0, 232

Achromatopsia
51, 51, 51

Achromatomaly
63, 32, 117

CSS Examples

Text

The CSS property to change the color of the text to RGB 83, 0, 232 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(83, 0, 232)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 232)  
}
```

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(83, 0, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 232) }
```

Border

The CSS property to change the border of an element to RGB 83, 0, 232 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(83, 0, 232) }
```

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

```
.border{ border-color:rgb(83, 0, 232) }
```

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

Here you see how a box with a 4 pixel rgb(83, 0, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(83, 0, 232)  
}
```

Background

The CSS property to change the background color of an element to RGB 83, 0, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 232) }
```

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

```
.background{ background-color: rgb(83, 0,  
232) }
```

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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