

Converting Colors

RGB(63, 0, 255)

Have a look what the booklet for
RGB(63, 0, 255) contains.

RGB(63, 0, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

RGB(63, 0, 255)

Conversions

Conversions Part 1

Format	Color
Hex	3F00FF
RGB	63, 0, 255
RGB Percent	25%, 0%, 100%
CMY	0.7529, 1.0000, 0.0000
CMYK	0.75, 1.00, 0.00, 0.00
HSL	255°, 100%, 50%
HSV	255°, 100%, 100%
XYZ	20.0999, 8.2768, 95.1459
YIQ	47.9070, -44.3070, 92.6610

Conversions

Conversions Part 2

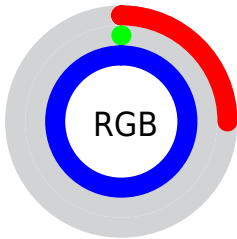
Format	Color
R_{YB}	63, 0, 255
Decimal	4129023
CIE Lab	34.55, 79.99, -104.05
CIE LCh	35, 131.242, 307.552
Yxy	8.2768, 0.1627, 0.0670
Android (android.graphics.Color)	4282319103 (0xFF3F00FF)
YUV	47.9070, 102.0968, 13.2366
Hunter-Lab	28.7694, 74.3638, -175.9451

Details

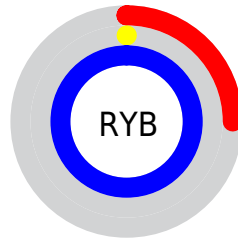
The RGB color **63, 0, 255** is a dark color, and the websafe version is hex **3300FF**, and the color name is **electric ultramarine**. The color can be described as dark saturated blue. A complement of this color would be **192, 255, 0**, and the grayscale version is **47, 47, 47**.

A 20% lighter version of the original color is **142, 75, 255**, and **0, 0, 196** is the 20% darker color. If you saturate the color by 10%, you get **63, 0, 255**, and if you desaturate by 10%, it is **82, 25, 255**.

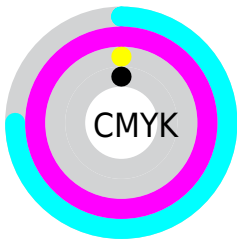
Distribution



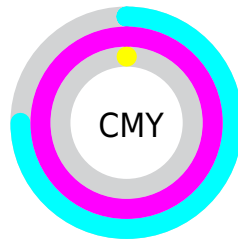
- Red (25%)
- Green (0%)
- Blue (100%)



- Red (25%)
- Yellow (0%)
- Blue (100%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)






















- Cyan (75%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RGB color 63, 0, 255 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 63, 0, 255 by changing the saturation by 10% instead.


 63, 0, 255	 63, 0, 255
 255, 255, 255	 0, 0, 225
 142, 75, 255	 0, 0, 196
 176, 103, 255	 0, 0, 168
 209, 131, 255	 0, 0, 140
 242, 159, 255	 0, 11, 114
 255, 187, 255	 0, 12, 88
 255, 216, 255	 0, 7, 63
 255, 246, 255	 0, 3, 41
	 0, 1, 18

 63, 0, 255


 82, 25, 255


 101, 51, 255

 121, 77, 255

 140, 102, 255

 159, 128, 255

 178, 153, 255

 197, 179, 255

 217, 204, 255

 236, 230, 255

Harmonies

Analogous

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



0, 96, 255



63, 0, 255



212, 0, 164

Triad

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



63, 0, 255



159, 31, 0



0, 110, 107

Complementary

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



63, 0, 255



192, 255, 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, 108, 0



63, 0, 255



76, 87, 0

Square

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



63, 0, 255



217, 0, 0



0, 103, 0



0, 115, 212

Rectangle

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



63, 0, 255



239, 0, 96



0, 103, 0



0, 109, 70

Sweetspot

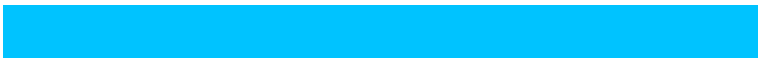
The Sweet Spot groups the original color and five complimentary colors.



63, 0, 255



197, 179, 255



0, 195, 255



93, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



63, 0, 255



187, 0, 255



118, 115, 128



47, 0, 191



16, 0, 64

Inverse Universe

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



255, 0, 192



68, 255, 0



128, 115, 124



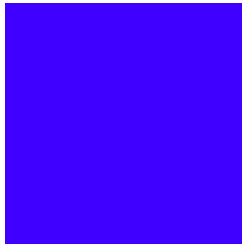
191, 0, 144



64, 0, 48

Previews

White Background



This preview shows how the RGB color 63, 0, 255 looks on a white background.

Color Contrast Check

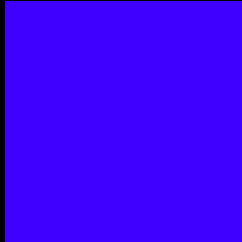
Large Text (above 18pt) WCAG AA ✓ Pass

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 63, 0, 255 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 63, 0, 255 Background



This preview shows how black text looks on a background with the RGB color 63, 0, 255.



This preview shows how white text looks on a background with the RGB color 63, 0, 255.

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


63, 0, 255

Protanopia

0, 79, 166

Deuteranopia

0, 85, 141



Tritanopia
0, 91, 96

Trichromacy



Original Color

63, 0, 255

Protanomaly

23, 50, 198

Deuteranomaly

23, 54, 182

Tritanomaly

23, 58, 154

Monochromacy



Original Color

63, 0, 255

Achromatopsia

48, 48, 48

Achromatomaly

53, 31, 123

CSS Examples

Text

The CSS property to change the color of the text to RGB 63, 0, 255 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(63, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 0, 255)  
}
```

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(63, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 0, 255) }
```

Border

The CSS property to change the border of an element to RGB 63, 0, 255 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(63, 0, 255) }
```

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

```
.border{ border-color:rgb(63, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 0, 255)  
}
```

Background

The CSS property to change the background color of an element to RGB 63, 0, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 0, 255) }
```

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

```
.background{ background-color: rgb(63, 0,  
255) }
```

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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