

# Converting Colors

RGB(71, 0, 227)

Have a look what the booklet for  
RGB(71, 0, 227) contains.

<b>RGB(71, 0, 227)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**RGB(71, 0, 227)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4700E3
RGB	71, 0, 227
RGB Percent	28%, 0%, 89%
CMY	0.7216, 1.0000, 0.1098
CMYK	0.69, 1.00, 0.00, 0.11
HSL	259°, 100%, 45%
HSV	259°, 100%, 89%
XYZ	16.4637, 6.8856, 73.1344
YIQ	47.1070, -30.5510, 85.6490

# Conversions

## Conversions Part 2

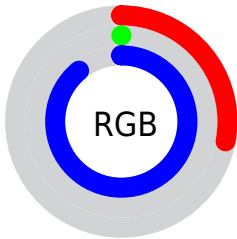
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 0, 227
Decimal	4653283
CIE <sub>Lab</sub>	31.55, 73.78, -93.18
CIE <sub>LCh</sub>	32, 118.853, 308.374
Yxy	6.8856, 0.1706, 0.0714
Android (android.graphics.Color)	4282843363 (0xFF4700E3)
YUV	47.1070, 88.6872, 20.9542
Hunter-Lab	26.2405, 66.0725, -146.8776

# Details

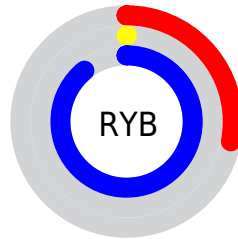
The RGB color **71, 0, 227** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **156, 227, 0**, and the grayscale version is **46, 46, 46**.

A 20% lighter version of the original color is **142, 72, 255**, and **0, 0, 170** is the 20% darker color. If you saturate the color by 10%, you get **71, 0, 227**, and if you desaturate by 10%, it is **87, 23, 227**.

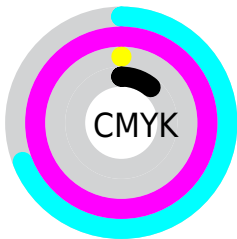
# Distribution



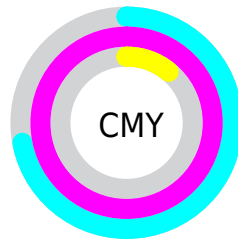
- Red (28%)
- Green (0%)
- Blue (89%)



- Red (28%)
- Yellow (0%)
- Blue (89%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)






















- Cyan (72%)
- Magenta (100%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the RGB color 71, 0, 227 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 71, 0, 227 by changing the saturation by 10% instead.




 71, 0, 227	 71, 0, 227
 255, 255, 255	 10, 0, 198
 142, 72, 255	 0, 0, 170
 174, 99, 255	 0, 0, 142
 206, 127, 255	 0, 0, 115
 237, 155, 255	 0, 13, 90
 255, 183, 255	 0, 7, 65
 255, 212, 255	 0, 3, 42
 255, 241, 255	 0, 1, 20
	 0, 0, 0


 71, 0, 227

 87, 23, 227


 102, 45, 227

 118, 68, 227

 133, 91, 227

 149, 114, 227

 165, 136, 227

 180, 159, 227

 196, 182, 227

 211, 204, 227

# Harmonies

## Analogous

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



0, 86, 255



71, 0, 227



193, 0, 146

# Triad

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



71, 0, 227



143, 34, 0



0, 101, 100

# Complementary

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



71, 0, 227



156, 227, 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, 98, 0



71, 0, 227



67, 80, 0

# Square

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



71, 0, 227



195, 0, 0



0, 94, 0



0, 105, 192

# Rectangle

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



71, 0, 227



216, 0, 85



0, 94, 0



0, 100, 67



# Sweetspot

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



71, 0, 227



202, 179, 255



0, 159, 227



96, 82, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



71, 0, 227



80, 0, 255



182, 0, 227



107, 103, 115



56, 0, 179



16, 0, 51



# Inverse Universe

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



227, 0, 156



255, 0, 175



45, 227, 0



115, 103, 111



179, 0, 123

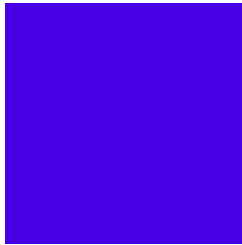


51, 0, 35



# Previews

## White Background



This preview shows how the RGB color 71, 0, 227 looks on a white background.

## Color Contrast Check

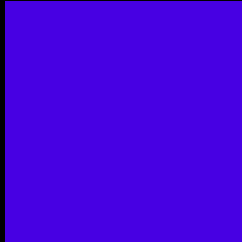
Large Text (above 18pt) WCAG AA ✓ Pass

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 71, 0, 227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

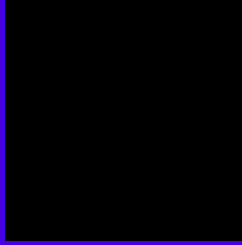
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 71, 0, 227 Background



This preview shows how black text looks on a background with the RGB color 71, 0, 227.



This preview shows how white text looks on a background with the RGB color 71, 0, 227.

# 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**


71, 0, 227

**Protanopia**

0, 73, 153

**Deuteranopia**

0, 78, 130



**Tritanopia**  
0, 84, 89

# Trichromacy



**Original Color**

71, 0, 227

**Protanomaly**

26, 46, 180

**Deuteranomaly**

26, 50, 165

**Tritanomaly**

26, 53, 139

# Monochromacy



**Original Color**

71, 0, 227

**Achromatopsia**

47, 47, 47

**Achromatomaly**

56, 30, 112

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 71, 0, 227 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(71, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(71, 0, 227)  
}
```

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(71, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 0, 227) }
```

## Border

The CSS property to change the border of an element to RGB 71, 0, 227 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(71, 0, 227) }
```

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

```
.border{ border-color:rgb(71, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(71, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(71, 0, 227)  
}
```

# Background

The CSS property to change the background color of an element to RGB 71, 0, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 0, 227) }
```

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

```
.background{ background-color: rgb(71, 0,  
227) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor