

Converting Colors

RGB(177, 0, 255)

Have a look what the booklet for
RGB(177, 0, 255) contains.

| | |
|--|----|
| RGB(177, 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(177, 0, 255)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B100FF |
| RGB | 177, 0, 255 |
| RGB Percent | 69%, 0%, 100% |
| CMY | 0.3059, 1.0000, 0.0000 |
| CMYK | 0.31, 1.00, 0.00, 0.00 |
| HSL | 282°, 100%, 50% |
| HSV | 282°, 100%, 100% |
| XYZ | 36.1815, 16.5671, 95.8985 |
| YIQ | 81.9930, 23.6370, 116.8290 |

Conversions

Conversions Part 2

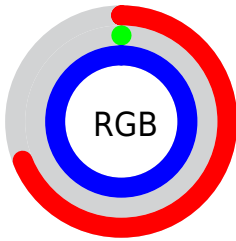
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 177, 0, 255 |
| Decimal | 11600127 |
| CIE _{Lab} | 47.71, 87.76, -81.87 |
| CIE _{LCh} | 48, 120.015, 316.989 |
| Yxy | 16.5671, 0.2434, 0.1115 |
| Android (android.graphics.Color) | 4289790207 (0xFFB100FF) |
| YUV | 81.9930, 85.2925, 83.3211 |
| Hunter-Lab | 40.7027, 87.4425, -111.1996 |

Details

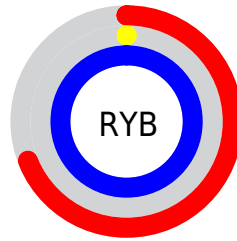
The RGB color **177, 0, 255** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **78, 255, 0**, and the grayscale version is **81, 81, 81**.

A 20% lighter version of the original color is **239, 91, 255**, and **115, 0, 197** is the 20% darker color. If you saturate the color by 10%, you get **177, 0, 255**, and if you desaturate by 10%, it is **185, 25, 255**.

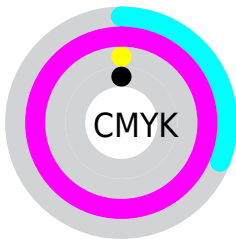
Distribution



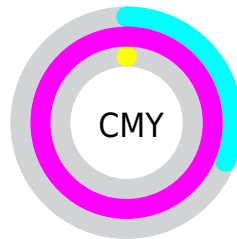
- Red (69%)
- Green (0%)
- Blue (100%)



- Red (69%)
- Yellow (0%)
- Blue (100%)



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RGB color 177, 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 177, 0, 255 by changing the saturation by 10% instead.



177, 0, 255



177, 0, 255

255, 255, 255



146, 0, 226



239, 91, 255



115, 0, 197



255, 122, 255



84, 0, 169



255, 152, 255



49, 0, 141



255, 182, 255



0, 0, 115



255, 212, 255



0, 0, 89



255, 242, 255



0, 7, 64





0, 3, 41





0, 1, 19

 177, 0, 255


 185, 25, 255

 193, 51, 255

 200, 77, 255

 208, 102, 255

 216, 128, 255

 224, 153, 255

 232, 179, 255

 239, 204, 255

 247, 230, 255

Harmonies

Analogous

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



0, 110, 255



177, 0, 255



255, 0, 162

Triad

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



177, 0, 255



174, 93, 0



0, 148, 171

Complementary

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



177, 0, 255



78, 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, 145, 63



177, 0, 255



82, 126, 0

Square

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



177, 0, 255



239, 0, 0



0, 140, 0



0, 149, 255

Rectangle

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



177, 0, 255



255, 0, 96



0, 140, 0



0, 148, 136

Sweetspot

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



177, 0, 255



232, 179, 255



0, 81, 255



113, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



177, 0, 255



255, 0, 208



124, 115, 128



133, 0, 191



44, 0, 64

Inverse Universe

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



255, 0, 78



0, 255, 47



128, 115, 119



191, 0, 58



64, 0, 19

Previews

White Background



This preview shows how the RGB color 177, 0, 255 looks on a white background.

Color Contrast Check

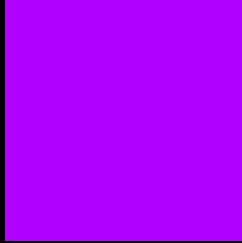
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 177, 0, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

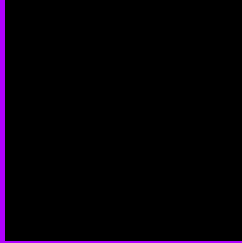
Any Text WCAG AA × Fail

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 177, 0, 255 Background



This preview shows how black text looks on a background with the RGB color 177, 0, 255.



This preview shows how white text looks on a background with the RGB color 177, 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

177, 0, 255

Protanopia

0, 111, 233

Deuteranopia

0, 117, 202



Tritanopia
152, 100, 107

Trichromacy



Original Color

177, 0, 255



Protanomaly

64, 71, 241



Deuteranomaly

64, 74, 221



Tritanomaly

161, 64, 161

Monochromacy



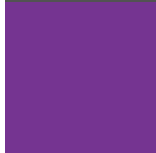
Original Color

177, 0, 255



Achromatopsia

82, 82, 82



Achromatomaly

117, 52, 145

CSS Examples

Text

The CSS property to change the color of the text to RGB 177, 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(177, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 0, 255) }
```

Border

The CSS property to change the border of an element to RGB 177, 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(177, 0, 255) }
```

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

```
.border{ border-color:rgb(177, 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(177, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 0,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 177, 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(177, 0, 255) }
```

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

```
.background{ background-color: rgb(177, 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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