

Converting Colors

`RYB(119, 0, 252)`

Have a look what the booklet for
RYB(119, 0, 252) contains.

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Color

R_YB(119, 0, 252)

Conversions

Conversions Part 1

Format	Color
Hex	7700FC
RGB	119, 0, 252
RGB Percent	47%, 0%, 99%
CMY	0.5333, 1.0000, 0.0118
CMYK	0.53, 1.00, 0.00, 0.01
HSL	268°, 100%, 49%
HSV	268°, 100%, 99%
XYZ	25.1784, 10.9502, 92.8820
YIQ	64.3090, -9.9680, 103.6000

Conversions

Conversions Part 2

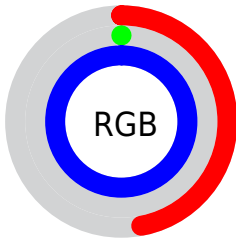
Format	Color
R _{YB}	119, 0, 252
Decimal	7799036
CIE Lab	39.50, 81.91, -94.00
CIE LCh	39, 124.678, 311.070
Yxy	10.9502, 0.1952, 0.0849
Android (android.graphics.Color)	4285989116 (0xFF7700FC)
YUV	64.3090, 92.5317, 47.9640
Hunter-Lab	33.0911, 77.9080, -143.2548

Details

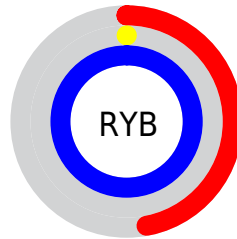
The RYB color **119, 0, 252** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **0, 252, 119**, and the grayscale version is **63, 63, 63**.

A 20% lighter version of the original color is **184, 81, 255**, and **41, 0, 194** is the 20% darker color. If you saturate the color by 10%, you get **119, 0, 252**, and if you desaturate by 10%, it is **132, 25, 252**.

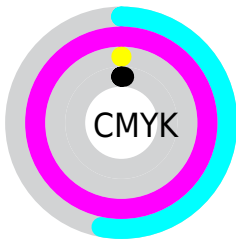
Distribution



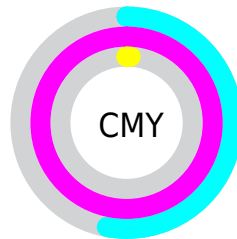
- Red (47%)
- Green (0%)
- Blue (99%)



- Red (47%)
- Yellow (0%)
- Blue (99%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



- Cyan (53%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 0, 252 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 RYB color 119, 0, 252 by changing the saturation by 10% instead.



119, 0, 252



119, 0, 252

255, 255, 255



84, 0, 223



184, 81, 255



41, 0, 194



215, 110, 255



0, 0, 165



247, 139, 255



0, 0, 138



255, 168, 255



0, 0, 111



255, 197, 255



0, 11, 86



255, 226, 255




0, 5, 61




0, 3, 39




0, 1, 16

 119, 0, 252

 132, 25, 252


 146, 50, 252

 159, 76, 252

 172, 101, 252

 186, 126, 252

 199, 151, 252

 212, 176, 252

 225, 202, 252

 239, 227, 252

Harmonies

Analogous

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



0, 72, 255



119, 0, 252



229, 0, 162

Triad

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



119, 0, 252



164, 92, 0



0, 64, 130

Complementary

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



119, 0, 252



0, 252, 119

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, 114, 122



119, 0, 252



0, 102, 23

Square

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



119, 0, 252



224, 0, 0



0, 117, 117



0, 82, 229

Rectangle

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



119, 0, 252



251, 0, 95



0, 117, 117



0, 69, 123

Sweetspot

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



119, 0, 252



215, 179, 255



0, 87, 252



103, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



119, 0, 252



120, 0, 255



244, 0, 252



118, 112, 125



89, 0, 189



29, 0, 61

Inverse Universe

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



252, 0, 133



255, 0, 135



0, 252, 244



125, 112, 119



189, 0, 100



61, 0, 32

Previews

White Background



This preview shows how the RYB color 119, 0, 252 looks on a white background.

Color Contrast Check

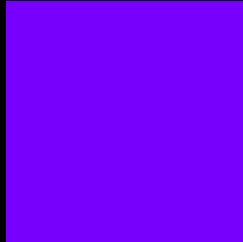
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 119, 0, 252 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 119, 0, 252 Background



This preview shows how black text looks on a background with the RGB color 119, 0, 252.

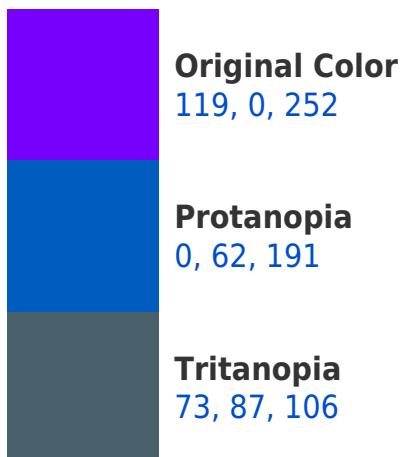


This preview shows how white text looks on a background with the RGB color 119, 0, 252.

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



Trichromacy



Original Color

119, 0, 252



Protanomaly

43, 57, 213



Tritanomaly

90, 62, 159

Monochromacy



Original Color

119, 0, 252



Achromatopsia

64, 64, 64



Achromatomaly

84, 41, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 0, 252 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(119, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 252)  
}
```

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(119, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 252) }
```

Border

The CSS property to change the border of an element to RYB 119, 0, 252 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(119, 0, 252) }
```

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

```
.border{ border-color:rgb(119, 0, 252) }
```

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

Here you see how a box with a 4 pixel rgb(119, 0, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
252) }
```

Background

The CSS property to change the background color of an element to RYB 119, 0, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 0, 252) }
```

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

```
.background{ background-color: rgb(119, 0,  
252) }
```

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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