

Converting Colors

`RYB(119, 0, 199)`

Have a look what the booklet for
RYB(119, 0, 199) contains.

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Color

R_YB(119, 0, 199)

Conversions

Conversions Part 1

Format	Color
Hex	7700C7
RGB	119, 0, 199
RGB Percent	47%, 0%, 78%
CMY	0.5333, 1.0000, 0.2196
CMYK	0.40, 1.00, 0.00, 0.22
HSL	276°, 100%, 39%
HSV	276°, 100%, 78%
XYZ	17.9166, 8.0455, 54.6415
YIQ	58.2670, 7.0450, 87.1170

Conversions

Conversions Part 2

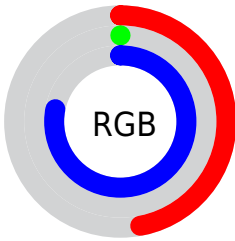
Format	Color
R_{YB}	119, 0, 199
Decimal	7798983
CIE _{Lab}	34.08, 70.84, -72.59
CIE _{LCh}	34, 101.428, 314.298
Yxy	8.0455, 0.2223, 0.0998
Android (android.graphics.Color)	4285989063 (0xFF7700C7)
YUV	58.2670, 69.3814, 53.2628
Hunter-Lab	28.3645, 63.1123, -94.3612

Details

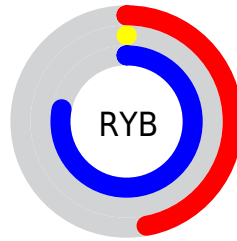
The RYB color **119, 0, 199** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **0, 199, 119**, and the grayscale version is **58, 58, 58**.

A 20% lighter version of the original color is **178, 76, 255**, and **57, 0, 144** is the 20% darker color. If you saturate the color by 10%, you get **119, 0, 199**, and if you desaturate by 10%, it is **127, 20, 199**.

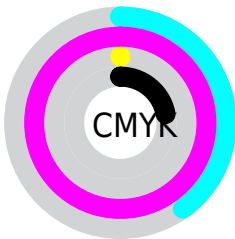
Distribution



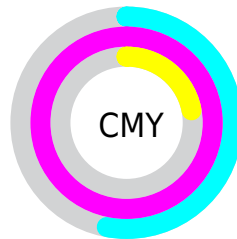
- Red (47%)
- Green (0%)
- Blue (78%)



- Red (47%)
- Yellow (0%)
- Blue (78%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)





- Cyan (53%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 0, 199 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, 199 by changing the saturation by 10% instead.

 119, 0, 199

 119, 0, 199

255, 255, 255

 89, 0, 171

 178, 76, 255

 57, 0, 144

 208, 104, 255

 17, 0, 117

 239, 132, 255

 0, 0, 91

 255, 161, 255

 0, 5, 67

 255, 189, 255

 0, 3, 43

 255, 218, 255

 0, 1, 22


 255, 248, 255


 0, 0, 0

 119, 0, 199


 127, 20, 199

 135, 40, 199

 143, 60, 199


 151, 80, 199

 159, 100, 199

 167, 119, 199

 175, 139, 199

 183, 159, 199

 191, 179, 199

Harmonies

Analogous

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



0, 61, 243



119, 0, 199



193, 0, 126

Triad

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



119, 0, 199



132, 110, 0



0, 56, 119

Complementary

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



119, 0, 199



0, 199, 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, 81, 105



119, 0, 199



0, 89, 27

Square

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



119, 0, 199



182, 0, 0



0, 100, 100



0, 70, 195

Rectangle

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



119, 0, 199



208, 0, 73



0, 100, 100



0, 57, 106

Sweetspot

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



119, 0, 199



224, 179, 255



0, 59, 199



109, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



119, 0, 199



152, 0, 255



199, 0, 182



95, 90, 99



98, 0, 163



21, 0, 36

Inverse Universe

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



199, 0, 80



255, 0, 103



0, 183, 199



99, 90, 94



163, 0, 66



36, 0, 14

Previews

White Background



This preview shows how the RYB color 119, 0, 199 looks on a white background.

Color Contrast Check

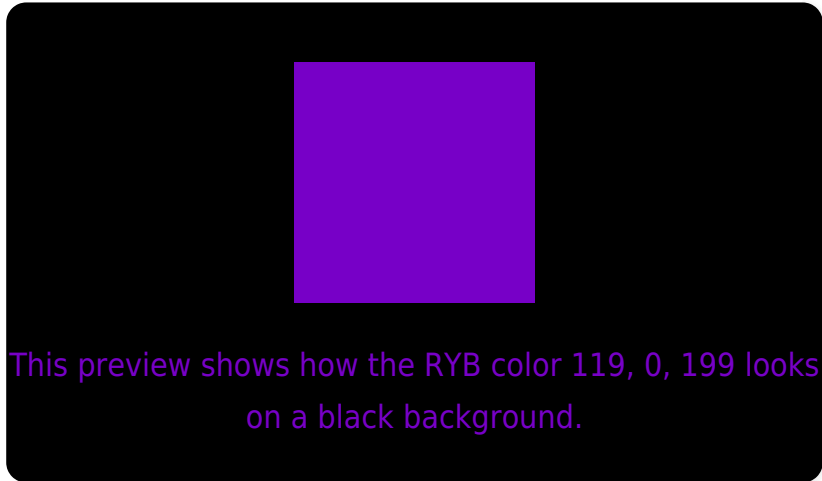
Large Text (above 18pt) WCAG AA ✓ Pass

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

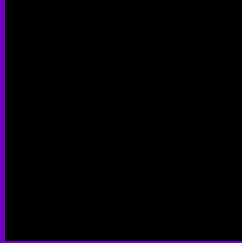
Any Text WCAG AA × Fail

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](#).

R Y B 119, 0, 199 Background



This preview shows how black text looks on a background with the RYB color 119, 0, 199.



This preview shows how white text looks on a background with the RYB color 119, 0, 199.

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


119, 0, 199

Protanopia

0, 54, 167

Deuteranopia

0, 53, 144



Tritanopia

95, 78, 84

Trichromacy



Original Color

119, 0, 199



Protanomaly

43, 51, 179



Deuteranomaly

43, 53, 164



Tritanomaly

104, 50, 126

Monochromacy



Original Color

119, 0, 199



Achromatopsia

58, 58, 58



Achromatomaly

80, 37, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 119, 0, 199 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(119, 0, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 0, 199) }
```

Border

The CSS property to change the border of an element to RYB 119, 0, 199 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, 199) }
```

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

```
.border{ border-color:rgb(119, 0, 199) }
```

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, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(119, 0,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 119, 0, 199 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, 199) }
```

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

```
.background{ background-color: rgb(119, 0,  
199) }
```

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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