

Converting Colors

`RYB(127, 0, 204)`

Have a look what the booklet for
RYB(127, 0, 204) contains.

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Color

R_YB(127, 0, 204)

Conversions

Conversions Part 1

Format	Color
Hex	7F00CC
RGB	127, 0, 204
RGB Percent	50%, 0%, 80%
CMY	0.5020, 1.0000, 0.2000
CMYK	0.38, 1.00, 0.00, 0.20
HSL	277°, 100%, 40%
HSV	277°, 100%, 80%
XYZ	19.6515, 8.8717, 57.8034
YIQ	61.2290, 10.2080, 90.3680

Conversions

Conversions Part 2

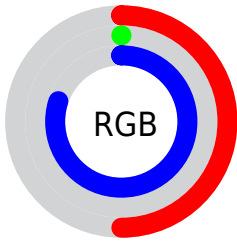
Format	Color
RYB	127, 0, 204
Decimal	8323276
CIELab	35.74, 72.66, -72.74
CIELCh	36, 102.813, 314.966
Yxy	8.8717, 0.2276, 0.1028
Android (android.graphics.Color)	4286513356 (0xFF7F00CC)
YUV	61.2290, 70.3861, 57.6812
Hunter-Lab	29.7853, 65.6447, -94.2124

Details

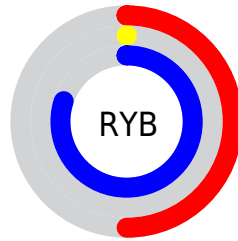
The RYB color **127, 0, 204** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **0, 204, 127**, and the grayscale version is **61, 61, 61**.

A 20% lighter version of the original color is **187, 78, 255**, and **66, 0, 148** is the 20% darker color. If you saturate the color by 10%, you get **127, 0, 204**, and if you desaturate by 10%, it is **135, 20, 204**.

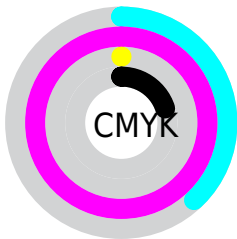
Distribution



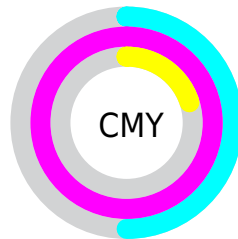
- Red (50%)
- Green (0%)
- Blue (80%)



- Red (50%)
- Yellow (0%)
- Blue (80%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 0, 204 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 127, 0, 204 by changing the saturation by 10% instead.

 127, 0, 204

 127, 0, 204


255, 255, 255

 97, 0, 176

 187, 78, 255

 66, 0, 148

 217, 107, 255

 30, 0, 122

 247, 135, 255

 0, 0, 96

 255, 163, 255

 0, 0, 71

 255, 192, 255

 0, 4, 47


 255, 221, 255

 0, 1, 26


 255, 251, 255

 0, 0, 0

 127, 0, 204

 135, 20, 204


 142, 41, 204

 150, 61, 204

 158, 82, 204

 166, 102, 204

 173, 122, 204

 181, 143, 204

 189, 163, 204

 196, 184, 204

Harmonies

Analogous

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



0, 63, 250



127, 0, 204



201, 0, 129

Triad

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



127, 0, 204



136, 121, 0



0, 59, 125

Complementary

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



127, 0, 204



0, 204, 127

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, 82, 109



127, 0, 204



0, 93, 30

Square

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



127, 0, 204



188, 0, 0



0, 105, 105



0, 72, 202

Rectangle

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



127, 0, 204



215, 0, 75



0, 105, 105



0, 59, 111

Sweetspot

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



127, 0, 204



226, 179, 255



0, 56, 204



110, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



127, 0, 204



159, 0, 255



204, 0, 180



98, 92, 102



103, 0, 166



24, 0, 38

Inverse Universe

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



204, 0, 77



255, 0, 96



0, 183, 204



102, 92, 96



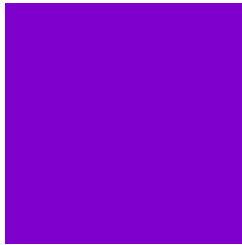
166, 0, 63



38, 0, 14

Previews

White Background



This preview shows how the RYB color 127, 0, 204 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

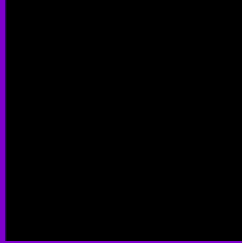
Any Text WCAG AA × Fail

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](#).

RGB 127, 0, 204 Background



This preview shows how black text looks on a background with the RGB color 127, 0, 204.



This preview shows how white text looks on a background with the RGB color 127, 0, 204.

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
127, 0, 204

Protanopia
0, 56, 175

Deuteranopia
0, 56, 151



Tritanopia
103, 80, 86

Trichromacy



Original Color

127, 0, 204



Protanomaly

46, 53, 186



Deuteranomaly

46, 56, 170



Tritanomaly

112, 51, 129

Monochromacy



Original Color

127, 0, 204



Achromatopsia

61, 61, 61



Achromatomaly

85, 39, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 0, 204 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(127, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 204)  
}
```

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(127, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 204) }
```

Border

The CSS property to change the border of an element to RYB 127, 0, 204 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(127, 0, 204) }
```

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

```
.border{ border-color:rgb(127, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(127, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(127, 0,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 127, 0, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 204) }
```

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

```
.background{ background-color: rgb(127, 0,  
204) }
```

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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