

Converting Colors

RGB(102, 0, 204)

Have a look what the booklet for
RGB(102, 0, 204) contains.

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Color

RGB(102, 0, 204)

Conversions

Conversions Part 1

Format	Color
Hex	6600CC
RGB	102, 0, 204
RGB Percent	40%, 0%, 80%
CMY	0.6000, 1.0000, 0.2000
CMYK	0.50, 1.00, 0.00, 0.20
HSL	270°, 100%, 40%
HSV	270°, 100%, 80%
XYZ	16.3786, 7.1844, 57.6502
YIQ	53.7540, -4.6920, 85.0680

Conversions

Conversions Part 2

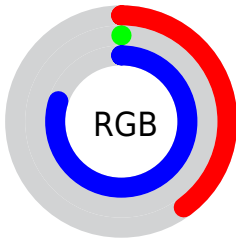
Format	Color
RYB	102, 0, 204
Decimal	6684876
CIELab	32.22, 70.38, -78.66
CIELCh	32, 105.546, 311.821
Yxy	7.1844, 0.2017, 0.0885
Android (android.graphics.Color)	4284874956 (0xFF6600CC)
YUV	53.7540, 74.0713, 42.3117
Hunter-Lab	26.8038, 62.1668, -108.7599

Details

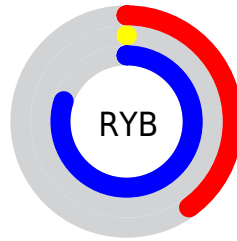
The RGB color **102, 0, 204** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **102, 204, 0**, and the grayscale version is **53, 53, 53**.

A 20% lighter version of the original color is **163, 74, 255**, and **29, 0, 148** is the 20% darker color. If you saturate the color by 10%, you get **102, 0, 204**, and if you desaturate by 10%, it is **112, 20, 204**.

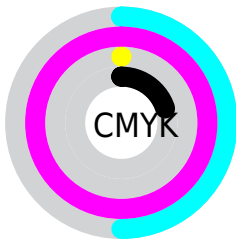
Distribution



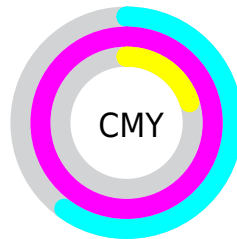
- Red (40%)
- Green (0%)
- Blue (80%)



- Red (40%)
- Yellow (0%)
- Blue (80%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





















- Cyan (60%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RGB color 102, 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 RGB color 102, 0, 204 by changing the saturation by 10% instead.

 102, 0, 204	 102, 0, 204
 255, 255, 255	 69, 0, 176
 163, 74, 255	 29, 0, 148
 193, 101, 255	 0, 0, 121
 224, 129, 255	 0, 0, 95
 255, 157, 255	 0, 8, 71
 255, 186, 255	 0, 4, 47
 255, 214, 255	 0, 1, 25
 255, 244, 255	 0, 0, 0

 102, 0, 204

■ 112, 20, 204

■ 122, 41, 204

■ 133, 61, 204

■ 143, 82, 204

■ 153, 102, 204

■ 163, 122, 204

■ 173, 143, 204

■ 184, 163, 204

■ 194, 184, 204

Harmonies

Analogous

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



0, 81, 246



102, 0, 204



188, 0, 130

Triad

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



102, 0, 204



133, 50, 0



0, 102, 108

Complementary

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



102, 0, 204



102, 204, 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, 100, 13



102, 0, 204



62, 83, 0

Square

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



102, 0, 204



182, 0, 0



0, 95, 0



0, 104, 189

Rectangle

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



102, 0, 204



205, 0, 76



0, 95, 0



0, 101, 79

Sweetspot

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



102, 0, 204



217, 179, 255



0, 102, 204



105, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



102, 0, 204



128, 0, 255



204, 0, 204



97, 92, 102



83, 0, 166



19, 0, 38

Inverse Universe

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



204, 0, 102



255, 0, 128



0, 204, 0



102, 92, 97



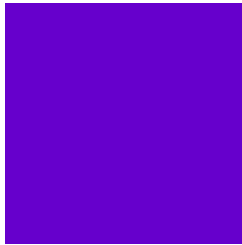
166, 0, 83



38, 0, 19

Previews

White Background



This preview shows how the RGB color 102, 0, 204 looks on a white background.

Color Contrast Check

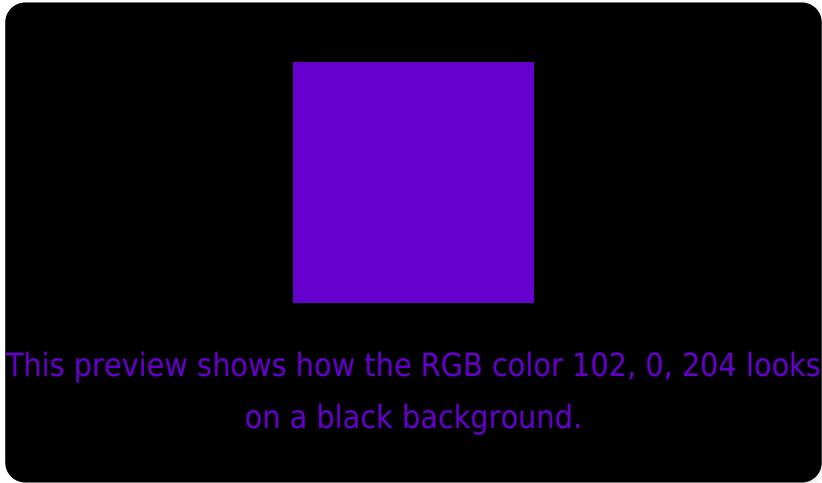
Large Text (above 18pt) WCAG AA ✓ Pass

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

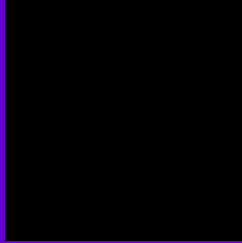
Any Text WCAG AA × Fail

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 102, 0, 204 Background



This preview shows how black text looks on a background with the RGB color 102, 0, 204.



This preview shows how white text looks on a background with the RGB color 102, 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

102, 0, 204

Protanopia

0, 75, 158

Deuteranopia

0, 80, 135



Tritanopia

69, 79, 86

Trichromacy



Original Color

102, 0, 204



Protanomaly

37, 48, 175



Deuteranomaly

37, 51, 160



Tritanomaly

81, 50, 129

Monochromacy



Original Color

102, 0, 204



Achromatopsia

54, 54, 54



Achromatomaly

71, 34, 109

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 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(102, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 204) }
```

Border

The CSS property to change the border of an element to RGB 102, 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(102, 0, 204) }
```

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

```
.border{ border-color:rgb(102, 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(102, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 0,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 102, 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(102, 0, 204) }
```

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

```
.background{ background-color: rgb(102, 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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