

Converting Colors

RGB(102, 42, 180)

Have a look what the booklet for
RGB(102, 42, 180) contains.

RGB(102, 42, 180)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	28

Color

RGB(102, 42, 180)

Conversions

Conversions Part 1	
Format	Color
Hex	662AB4
RGB	102, 42, 180
RGB Percent	40%, 16%, 71%
CMY	0.6000, 0.8353, 0.2941
CMYK	0.43, 0.77, 0.00, 0.29
HSL	266°, 62%, 44%
HSV	266°, 77%, 71%
XYZ	14.5457, 7.7760, 43.9143
YIQ	75.6720, -8.5380, 55.6380

Conversions

Conversions Part 2

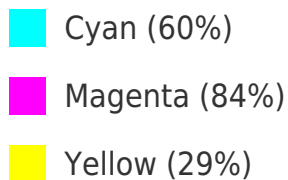
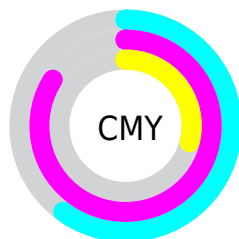
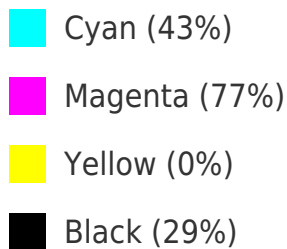
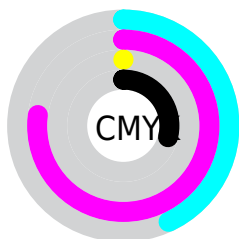
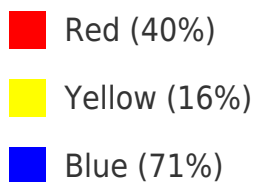
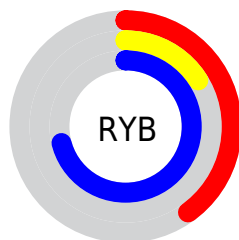
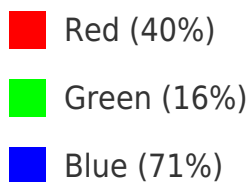
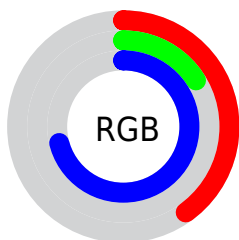
Format	Color
RYB	102, 42, 180
Decimal	6695604
CIELab	33.51, 54.03, -62.40
CIELCh	34, 82.544, 310.888
Yxy	7.7760, 0.2196, 0.1174
Android (android.graphics.Color)	4284885684 (0xFF662AB4)
YUV	75.6720, 51.4337, 23.0897
Hunter-Lab	27.8855, 44.3099, -73.8506

Details

The RGB color **102, 42, 180** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **120, 180, 42**, and the grayscale version is **75, 75, 75**.

A 20% lighter version of the original color is **159, 94, 237**, and **42, 0, 126** is the 20% darker color. If you saturate the color by 10%, you get **92, 24, 180**, and if you desaturate by 10%, it is **112, 60, 180**.

Distribution



Brightness & Saturation Gradients

These gradients show how the RGB color 102, 42, 180 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, 42, 180 by changing the saturation by 10% instead.

 102, 42, 180

 102, 42, 180


255, 255, 255

 73, 11, 153

 159, 94, 237

 42, 0, 126

 188, 120, 255

 0, 0, 100

 218, 147, 255

 0, 0, 75

 248, 175, 255

 0, 4, 51

 255, 203, 255

 0, 2, 29

 255, 231, 255

 0, 0, 0

 102, 42, 180


 102, 42, 180


 92, 24, 180

 112, 60, 180

 82, 6, 180

 122, 78, 180

 78, 0, 180

 133, 96, 180

 143, 114, 180

 153, 132, 180

 163, 150, 180

 173, 168, 180

 183, 186, 180

 194, 204, 180

Harmonies

Analogous

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



0, 82, 211



102, 42, 180



168, 0, 123

Triad

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



102, 42, 180



130, 59, 0



0, 103, 102

Complementary

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



102, 42, 180



120, 180, 42

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, 31



102, 42, 180



75, 84, 0

Square

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



102, 42, 180



169, 0, 0



0, 96, 0



0, 103, 165

Rectangle

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



102, 42, 180



184, 0, 80



0, 96, 0



0, 102, 79

Sweetspot

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



102, 42, 180



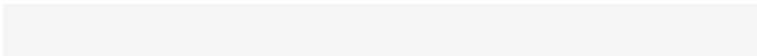
204, 181, 235



42, 120, 180



99, 84, 117



245, 245, 245



117, 117, 117

Same Dimension

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



102, 42, 180



113, 19, 235



171, 42, 180



84, 80, 89



67, 0, 153



11, 0, 26

Inverse Universe

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



180, 42, 120



235, 19, 141



51, 180, 42



89, 80, 85



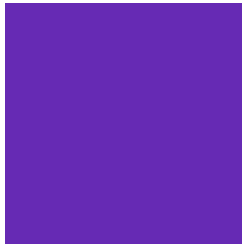
153, 0, 86



26, 0, 14

Previews

White Background



This preview shows how the RGB color 102, 42, 180 looks on a white background.

Color Contrast Check

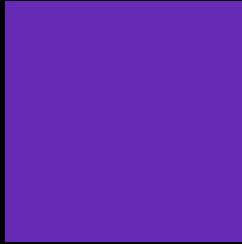
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RGB color 102, 42, 180 looks on a 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, 42, 180 Background



This preview shows how black text looks on a background with the RGB color 102, 42, 180.

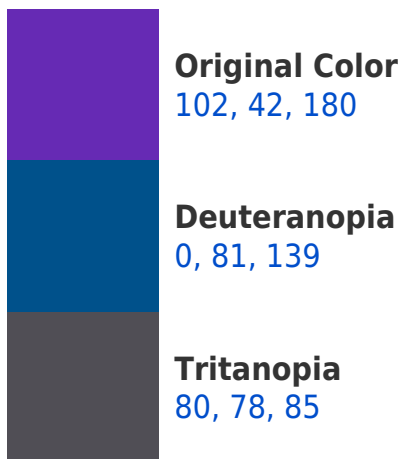


This preview shows how white text looks on a background with the RGB color 102, 42, 180.

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

102, 42, 180



Deuteranomaly

37, 67, 154



Tritanomaly

88, 65, 120

Monochromacy



Original Color

102, 42, 180



Achromatopsia

76, 76, 76



Achromatomaly

85, 64, 114

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 42, 180 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, 42, 180)` looks like.

```
.text, #text, p{  
    color:rgb(102, 42, 180)  
}
```

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, 42, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 42, 180) }
```

Border

The CSS property to change the border of an element to RGB 102, 42, 180 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, 42, 180) }
```

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

```
.border{ border-color:rgb(102, 42, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 42, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 42, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 42, 180);  
box-shadow:4px 4px 4px 4px rgb(102, 42,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 102, 42, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 42, 180) }
```

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

```
.background{ background-color: rgb(102, 42,  
180) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor