

Converting Colors

RGB(102, 62, 168)

Have a look what the booklet for
RGB(102, 62, 168) contains.

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Color

RGB(102, 62, 168)

Conversions

Conversions Part 1

Format	Color
Hex	663EA8
RGB	102, 62, 168
RGB Percent	40%, 24%, 66%
CMY	0.6000, 0.7569, 0.3412
CMYK	0.39, 0.63, 0.00, 0.34
HSL	263°, 46%, 45%
HSV	263°, 63%, 66%
XYZ	14.2700, 9.0972, 38.0496
YIQ	86.0440, -10.1860, 41.4460

Conversions

Conversions Part 2

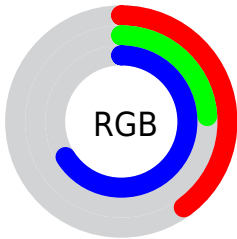
Format	Color
R _{YB}	102, 62, 168
Decimal	6700712
CIE Lab	36.17, 40.87, -50.92
CIE LCh	36, 65.296, 308.751
Yxy	9.0972, 0.2323, 0.1481
Android (android.graphics.Color)	4284890792 (0xFF663EA8)
YUV	86.0440, 40.4043, 13.9934
Hunter-Lab	30.1615, 31.6691, -53.6829

Details

The RGB color **102, 62, 168** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **128, 168, 62**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **157, 112, 224**, and **47, 13, 115** is the 20% darker color. If you saturate the color by 10%, you get **92, 45, 168**, and if you desaturate by 10%, it is **112, 79, 168**.

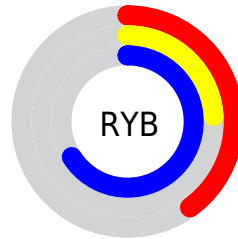
Distribution



Red (40%)

Green (24%)

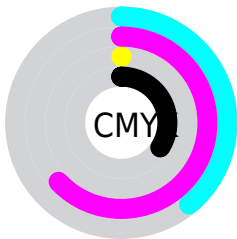
Blue (66%)



Red (40%)

Yellow (24%)

Blue (66%)

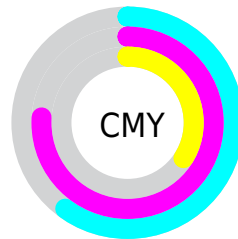


Cyan (39%)

Magenta (63%)

Yellow (0%)

Black (34%)



Cyan (60%)


Magenta (76%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RGB color 102, 62, 168 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, 62, 168 by changing the saturation by 10% instead.

 102, 62, 168

 102, 62, 168

255, 255, 255

 75, 38, 141

 157, 112, 224

 47, 13, 115

 185, 138, 253

 13, 0, 90

 214, 164, 255

 0, 0, 66

 244, 192, 255

 0, 3, 42

 255, 220, 255

 0, 1, 21

 255, 249, 255

 0, 0, 0

 102, 62, 168

 102, 62, 168

 92, 45, 168

 112, 79, 168

81, 28, 168

123, 96, 168

71, 12, 168

133, 112, 168

63, 0, 168

144, 129, 168

154, 146, 168

165, 163, 168

175, 180, 168

186, 196, 168

196, 213, 168

Harmonies

Analogous

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



0, 87, 190



102, 62, 168



157, 20, 124

Triad

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



102, 62, 168



134, 68, 0



0, 107, 100

Complementary

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



102, 62, 168



128, 168, 62

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, 104, 44



102, 62, 168



91, 88, 0

Square

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



102, 62, 168



164, 35, 21



25, 99, 0



0, 106, 150

Rectangle

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



102, 62, 168



172, 0, 90



25, 99, 0



0, 106, 81

Sweetspot

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



102, 62, 168



193, 178, 219



62, 129, 168



94, 84, 110



237, 237, 237



110, 110, 110

Same Dimension

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



102, 62, 168



116, 53, 219



154, 62, 168



79, 76, 84



56, 0, 148



8, 0, 20

Inverse Universe

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



168, 62, 128



219, 53, 156



76, 168, 62



84, 76, 81



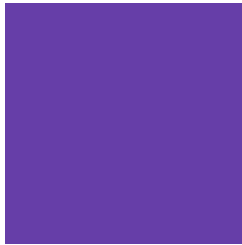
148, 0, 92



20, 0, 13

Previews

White Background



This preview shows how the RGB color 102, 62, 168 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, 62, 168 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, 62, 168 Background



This preview shows how black text looks on a background with the RGB color 102, 62, 168.

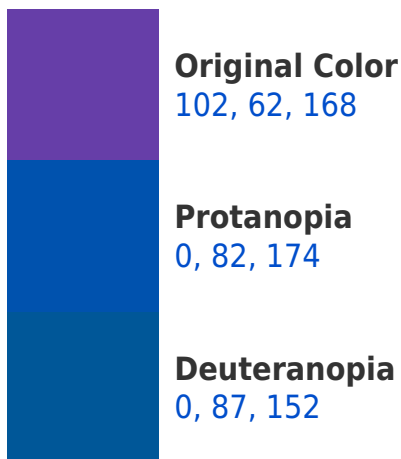



This preview shows how white text looks on a background with the RGB color 102, 62, 168.

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





Tritanopia

85, 85, 91

Trichromacy



Original Color

102, 62, 168



Protanomaly

37, 75, 172



Deuteranomaly

37, 78, 158



Tritanomaly

91, 77, 119

Monochromacy



Original Color

102, 62, 168



Achromatopsia

86, 86, 86



Achromatomaly

92, 77, 116

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 62, 168 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, 62, 168)` looks like.

```
.text, #text, p{  
    color:rgb(102, 62, 168)  
}
```

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, 62, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 62, 168) }
```

Border

The CSS property to change the border of an element to RGB 102, 62, 168 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, 62, 168) }
```

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

```
.border{ border-color:rgb(102, 62, 168) }
```

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

Here you see how a box with a 4 pixel rgb(102, 62, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 62, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 62, 168);  
box-shadow:4px 4px 4px 4px rgb(102, 62,  
168) }
```

Background

The CSS property to change the background color of an element to RGB 102, 62, 168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 62, 168) }
```

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

```
.background{ background-color: rgb(102, 62,  
168) }
```

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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