

Converting Colors

RGB(102, 68, 118)

Have a look what the booklet for
RGB(102, 68, 118) contains.

RGB(102, 68, 118)	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>	29

Color

RGB(102, 68, 118)

Conversions

Conversions Part 1

Format	Color
Hex	664476
RGB	102, 68, 118
RGB Percent	40%, 27%, 46%
CMY	0.6000, 0.7333, 0.5373
CMYK	0.14, 0.42, 0.00, 0.54
HSL	281°, 27%, 36%
HSV	281°, 42%, 46%
XYZ	10.8166, 8.2670, 18.1651
YIQ	83.8660, 4.2140, 22.7580

Conversions

Conversions Part 2

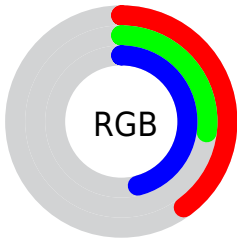
Format	Color
R_{YB}	102, 68, 118
Decimal	6702198
CIE _{Lab}	34.53, 24.49, -22.97
CIE _{LCh}	35, 33.577, 316.824
Yxy	8.2670, 0.2904, 0.2219
Android (android.graphics.Color)	4284892278 (0xFF664476)
YUV	83.8660, 16.8281, 15.9035
Hunter-Lab	28.7524, 16.8347, -17.3314

Details

The RGB color **102, 68, 118** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **84, 118, 68**, and the grayscale version is **84, 84, 84**.

A 20% lighter version of the original color is **154, 117, 170**, and **54, 23, 69** is the 20% darker color. If you saturate the color by 10%, you get **98, 56, 118**, and if you desaturate by 10%, it is **106, 80, 118**.

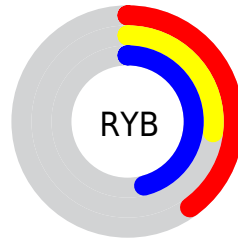
Distribution



Red (40%)

Green (27%)

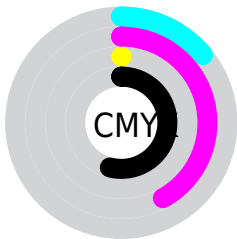
Blue (46%)



Red (40%)

Yellow (27%)

Blue (46%)

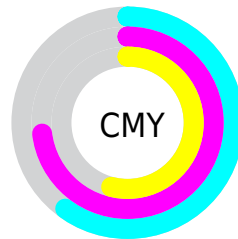


Cyan (14%)

Magenta (42%)

Yellow (0%)

Black (54%)



Cyan (60%)

Magenta (73%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RGB color 102, 68, 118 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, 68, 118 by changing the saturation by 10% instead.



102, 68, 118



102, 68, 118

255, 255, 255



77, 45, 93



154, 117, 170



54, 23, 69



181, 143, 198



32, 0, 47



209, 169, 226



0, 1, 26



237, 197, 255



0, 0, 0



255, 225, 255

255, 254, 255



102, 68, 118



102, 68, 118



98, 56, 118



106, 80, 118

94, 44, 118

110, 92, 118

91, 33, 118

113, 103, 118

87, 21, 118

117, 115, 118

83, 9, 118

121, 127, 118

80, 0, 118

125, 139, 118

128, 151, 118

132, 162, 118

136, 174, 118

Harmonies

Analogous

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



62, 79, 132



102, 68, 118



124, 59, 94

Triad

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



102, 68, 118



106, 76, 27



0, 94, 96

Complementary

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



102, 68, 118



84, 118, 68

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, 94, 68



102, 68, 118



82, 84, 27

Square

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



102, 68, 118



124, 65, 43



51, 90, 43



0, 93, 120

Rectangle

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



102, 68, 118



130, 57, 76



51, 90, 43



0, 94, 87

Sweetspot

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



102, 68, 118



147, 133, 153



68, 85, 118



73, 64, 77



204, 204, 204



77, 77, 77

Same Dimension

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



102, 68, 118



128, 75, 153



118, 68, 110



57, 53, 59



83, 0, 122



170, 0, 250

Inverse Universe

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



118, 68, 84



153, 75, 100



68, 118, 76



59, 53, 55



122, 0, 39



250, 0, 80

Previews

White Background



This preview shows how the RGB color 102, 68, 118 looks on a white background.

Color Contrast Check

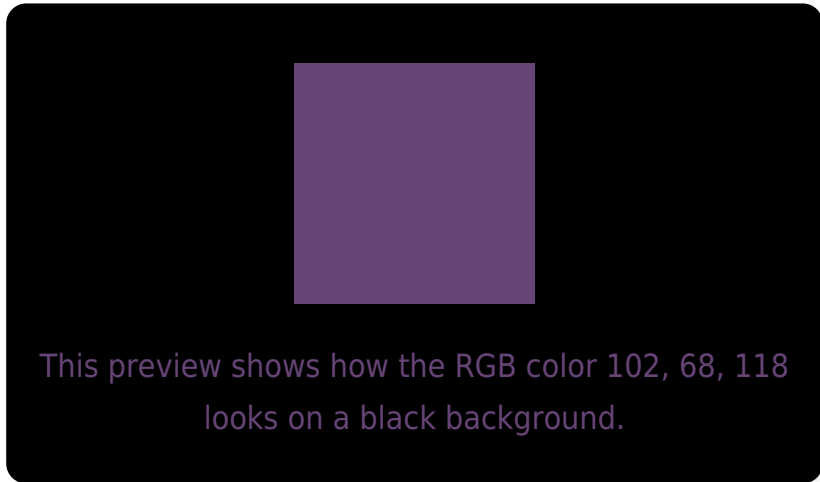
Large Text (above 18pt) WCAG AA ✓ Pass

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

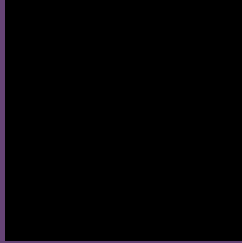
Any Text WCAG AA × Fail

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, 68, 118 Background



This preview shows how black text looks on a background with the RGB color 102, 68, 118.



This preview shows how white text looks on a background with the RGB color 102, 68, 118.

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, 68, 118

Protanopia

64, 80, 128

Deuteranopia

69, 81, 116



Tritanopia

96, 76, 82

Trichromacy



Original Color
102, 68, 118

Protanomaly
78, 76, 124

Deuteranomaly
81, 76, 117

Tritanomaly
98, 73, 95

Monochromacy



Original Color
102, 68, 118

Achromatopsia
84, 84, 84

Achromatomaly
91, 78, 96

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 68, 118 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, 68, 118) looks like.

```
.text, #text, p{  
    color:rgb(102, 68, 118)  
}
```

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, 68, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 68, 118) }
```

Border

The CSS property to change the border of an element to RGB 102, 68, 118 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, 68, 118) }
```

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

```
.border{ border-color:rgb(102, 68, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 68, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 68, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 68, 118);  
box-shadow:4px 4px 4px 4px rgb(102, 68,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 102, 68, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 68, 118) }
```

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

```
.background{ background-color: rgb(102, 68,  
118) }
```

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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