

Converting Colors

RGB(118, 100, 163)

Have a look what the booklet for
RGB(118, 100, 163) contains.

RGB(118, 100, 163)	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(118, 100, 163)

Conversions

Conversions Part 1

Format	Color
Hex	7664A3
RGB	118, 100, 163
RGB Percent	46%, 39%, 64%
CMY	0.5373, 0.6078, 0.3608
CMYK	0.28, 0.39, 0.00, 0.36
HSL	257°, 26%, 52%
HSV	257°, 39%, 64%
XYZ	18.6392, 15.6102, 36.6810
YIQ	112.5640, -9.4950, 23.4090

Conversions

Conversions Part 2

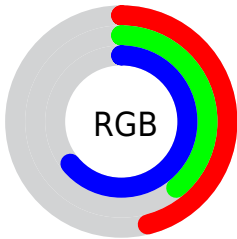
Format	Color
R_{YB}	118, 100, 163
Decimal	7759011
CIE Lab	46.46, 21.27, -31.48
CIE LCh	46, 37.989, 304.052
Yxy	15.6102, 0.2628, 0.2201
Android (android.graphics.Color)	4285949091 (0xFF7664A3)
YUV	112.5640, 24.8649, 4.7674
Hunter-Lab	39.5098, 15.0675, -27.3882

Details

The RGB color **118, 100, 163** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **145, 163, 100**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **171, 151, 218**, and **67, 53, 111** is the 20% darker color. If you saturate the color by 10%, you get **106, 84, 163**, and if you desaturate by 10%, it is **130, 116, 163**.

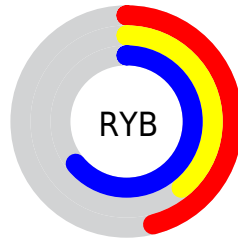
Distribution



Red (46%)

Green (39%)

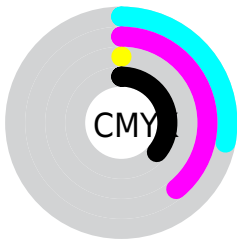
Blue (64%)



Red (46%)

Yellow (39%)

Blue (64%)

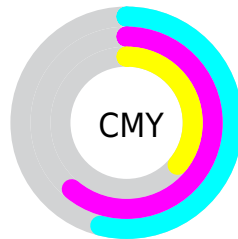


Cyan (28%)

Magenta (39%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (61%)

Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the RGB color 118, 100, 163 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 118, 100, 163 by changing the saturation by 10% instead.

 118, 100, 163

255, 255, 255

 171, 151, 218

 199, 178, 247


 228, 205, 255


 255, 234, 255

 118, 100, 163


 92, 76, 137

 67, 53, 111

 43, 31, 86

 18, 11, 63

 0, 0, 40


 0, 1, 18

 0, 0, 0

 118, 100, 163

 106, 84, 163

 118, 100, 163

 130, 116, 163

■ 95, 67, 163

■ 141, 133, 163

■ 83, 51, 163

■ 153, 149, 163

■ 71, 35, 163

■ 165, 165, 163

■ 60, 19, 163

■ 176, 181, 163

■ 48, 2, 163

■ 188, 198, 163

■ 47, 0, 163

■ 200, 214, 163

■ 211, 230, 163

■ 223, 247, 163

Harmonies

Analogous

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



61, 112, 173



118, 100, 163



153, 88, 139

Triad

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



118, 100, 163



151, 98, 53



0, 126, 114

Complementary

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



118, 100, 163



145, 163, 100

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.



47, 124, 81



118, 100, 163



125, 110, 44

Square

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



118, 100, 163



167, 87, 76



91, 119, 55



0, 125, 145

Rectangle

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



118, 100, 163



165, 83, 118



91, 119, 55



0, 126, 102

Sweetspot

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



118, 100, 163



194, 186, 212



100, 145, 163



96, 92, 107



235, 235, 235



107, 107, 107

Same Dimension

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



118, 100, 163



142, 114, 212



149, 100, 163



76, 73, 82



42, 0, 145



5, 0, 18

Inverse Universe

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



163, 100, 145



212, 114, 184



114, 163, 100



82, 73, 79



145, 0, 104



18, 0, 13

Previews

White Background



This preview shows how the RGB color 118, 100, 163 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 × Fail

Black Background



This preview shows how the RGB color 118, 100, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

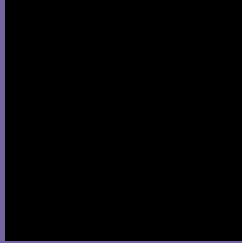
Any Text WCAG AA × Fail

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 118, 100, 163 Background



This preview shows how black text looks on a background with the RGB color 118, 100, 163.



This preview shows how white text looks on a background with the RGB color 118, 100, 163.

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
118, 100, 163

Protanopia
88, 108, 170

Deuteranopia
89, 109, 161



Tritanopia
109, 109, 118

Trichromacy



Original Color

118, 100, 163

Protanomaly

99, 105, 167

Deuteranomaly

100, 106, 162

Tritanomaly

112, 106, 134

Monochromacy



Original Color

118, 100, 163

Achromatopsia

113, 113, 113

Achromatomaly

115, 108, 131

CSS Examples

Text

The CSS property to change the color of the text to RGB 118, 100, 163 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(118, 100, 163)` looks like.

```
.text, #text, p{  
    color:rgb(118, 100, 163)  
}
```

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(118, 100, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 100, 163) }
```

Border

The CSS property to change the border of an element to RGB 118, 100, 163 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(118, 100, 163) }
```

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

```
.border{ border-color:rgb(118, 100, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 100, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 100, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 100, 163);  
box-shadow:4px 4px 4px 4px rgb(118, 100,  
163) }
```

Background

The CSS property to change the background color of an element to RGB 118, 100, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 100, 163) }
```

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

```
.background{ background-color: rgb(118,  
100, 163) }
```

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