

Converting Colors

RGB(122, 80, 159)

Have a look what the booklet for
RGB(122, 80, 159) contains.

RGB(122, 80, 159)	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(122, 80, 159)

Conversions

Conversions Part 1

Format	Color
Hex	7A509F
RGB	122, 80, 159
RGB Percent	48%, 31%, 62%
CMY	0.5216, 0.6863, 0.3765
CMYK	0.23, 0.50, 0.00, 0.38
HSL	272°, 33%, 47%
HSV	272°, 50%, 62%
XYZ	17.1527, 12.3781, 34.2861
YIQ	101.5640, -0.3270, 33.4730

Conversions

Conversions Part 2

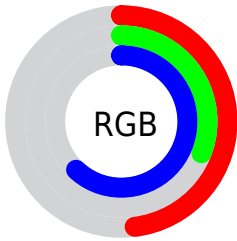
Format	Color
R_{YB}	122, 80, 159
Decimal	8016031
CIE _{Lab}	41.81, 33.37, -36.39
CIE _{LCh}	42, 49.375, 312.519
Yxy	12.3781, 0.2688, 0.1940
Android (android.graphics.Color)	4286206111 (0xFF7A509F)
YUV	101.5640, 28.3159, 17.9224
Hunter-Lab	35.1825, 25.4556, -33.1515

Details

The RGB color **122, 80, 159** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **117, 159, 80**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **176, 130, 214**, and **71, 33, 107** is the 20% darker color. If you saturate the color by 10%, you get **115, 64, 159**, and if you desaturate by 10%, it is **129, 96, 159**.

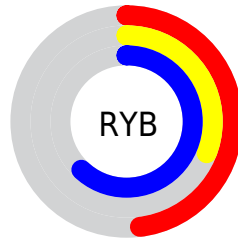
Distribution



Red (48%)

Green (31%)

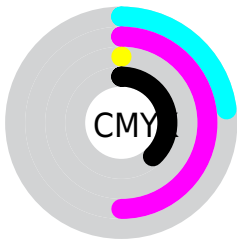
Blue (62%)



Red (48%)

Yellow (31%)

Blue (62%)

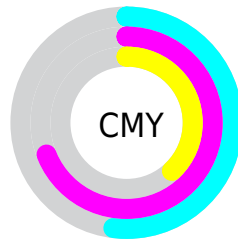


Cyan (23%)

Magenta (50%)

Yellow (0%)

Black (38%)



Cyan (52%)

Magenta (69%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RGB color 122, 80, 159 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 122, 80, 159 by changing the saturation by 10% instead.



122, 80, 159



122, 80, 159

255, 255, 255



96, 56, 133



176, 130, 214



71, 33, 107



204, 157, 243



45, 9, 82



233, 184, 255



24, 0, 59



255, 212, 255



0, 2, 36



255, 240, 255



0, 0, 12



0, 0, 0



122, 80, 159



122, 80, 159



115, 64, 159



129, 96, 159

■ 107, 48, 159

■ 137, 112, 159

■ 100, 32, 159

■ 144, 128, 159

■ 92, 16, 159

■ 152, 144, 159

■ 85, 0, 159

■ 159, 160, 159

■ 85, 0, 159

■ 167, 175, 159

■ 174, 191, 159

■ 182, 207, 159

■ 189, 223, 159

Harmonies

Analogous

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



42, 98, 178



122, 80, 159



159, 63, 124

Triad

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



122, 80, 159



138, 88, 11



0, 118, 115

Complementary

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



122, 80, 159



117, 159, 80

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, 116, 73



122, 80, 159



103, 102, 0

Square

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



122, 80, 159



163, 71, 45



56, 111, 33



0, 116, 153

Rectangle

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



122, 80, 159



170, 57, 97



56, 111, 33



0, 117, 101

Sweetspot

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



122, 80, 159



192, 176, 207



80, 118, 159



96, 86, 105



232, 232, 232



105, 105, 105

Same Dimension

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



122, 80, 159



149, 83, 207



159, 80, 158



75, 71, 79



76, 0, 143



8, 0, 15

Inverse Universe

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



159, 80, 117



207, 83, 141



80, 159, 81



79, 71, 75



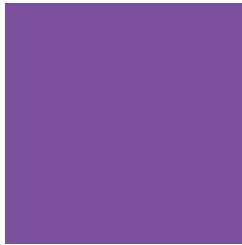
143, 0, 67



15, 0, 7

Previews

White Background



This preview shows how the RGB color 122, 80, 159 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 122, 80, 159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

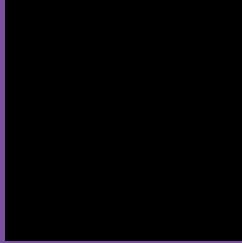
Any Text WCAG AA × Fail

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 122, 80, 159 Background



This preview shows how black text looks on a background with the RGB color 122, 80, 159.

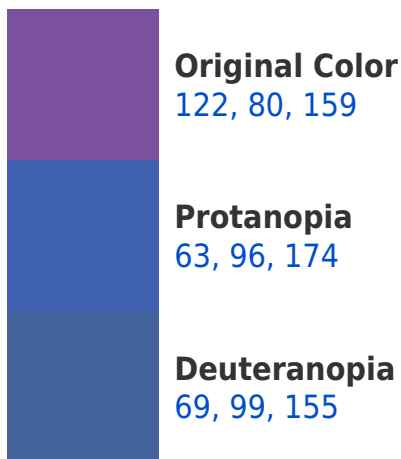


This preview shows how white text looks on a background with the RGB color 122, 80, 159.

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
112, 94, 101

Trichromacy



Original Color
122, 80, 159

Protanomaly
84, 90, 169

Deuteranomaly
88, 92, 156

Tritanomaly
116, 89, 122

Monochromacy



Original Color
122, 80, 159

Achromatopsia
102, 102, 102

Achromatomaly
109, 94, 123

CSS Examples

Text

The CSS property to change the color of the text to RGB 122, 80, 159 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(122, 80, 159)` looks like.

```
.text, #text, p{  
    color:rgb(122, 80, 159)  
}
```

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(122, 80, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 80, 159) }
```

Border

The CSS property to change the border of an element to RGB 122, 80, 159 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(122, 80, 159) }
```

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

```
.border{ border-color:rgb(122, 80, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 80, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 80, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 80, 159);  
box-shadow:4px 4px 4px 4px rgb(122, 80,  
159) }
```

Background

The CSS property to change the background color of an element to RGB 122, 80, 159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 80, 159) }
```

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

```
.background{ background-color: rgb(122, 80,  
159) }
```

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