

Converting Colors

RGB(117, 85, 199)

Have a look what the booklet for
RGB(117, 85, 199) contains.

RGB(117, 85, 199)	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(117, 85, 199)

Conversions

Conversions Part 1

Format	Color
Hex	7555C7
RGB	117, 85, 199
RGB Percent	46%, 33%, 78%
CMY	0.5412, 0.6667, 0.2196
CMYK	0.41, 0.57, 0.00, 0.22
HSL	257°, 50%, 56%
HSV	257°, 57%, 78%
XYZ	20.8934, 14.4024, 55.7116
YIQ	107.5640, -17.5220, 42.2380

Conversions

Conversions Part 2

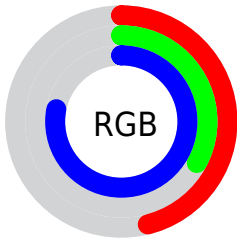
Format	Color
R_{YB}	117, 85, 199
Decimal	7689671
CIE _{Lab}	44.80, 39.67, -55.13
CIE _{LCh}	45, 67.919, 305.738
Yxy	14.4024, 0.2296, 0.1583
Android (android.graphics.Color)	4285879751 (0xFF7555C7)
YUV	107.5640, 45.0779, 8.2754
Hunter-Lab	37.9505, 31.8586, -60.4726

Details

The RGB color **117, 85, 199** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **167, 199, 85**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **173, 136, 255**, and **60, 38, 144** is the 20% darker color. If you saturate the color by 10%, you get **103, 65, 199**, and if you desaturate by 10%, it is **131, 105, 199**.

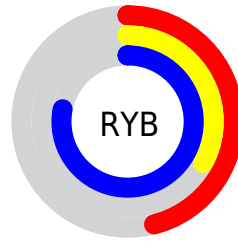
Distribution



Red (46%)

Green (33%)

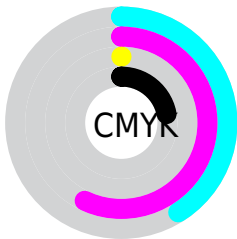
Blue (78%)



Red (46%)

Yellow (33%)

Blue (78%)

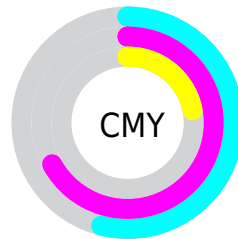


Cyan (41%)

Magenta (57%)

Yellow (0%)

Black (22%)



Cyan (54%)

Magenta (67%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RGB color 117, 85, 199 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 117, 85, 199 by changing the saturation by 10% instead.



117, 85, 199



117, 85, 199

255, 255, 255



89, 61, 171



173, 136, 255



60, 38, 144



202, 162, 255



28, 14, 118



232, 190, 255



0, 0, 93



255, 218, 255



0, 0, 68



255, 246, 255



0, 3, 45



0, 1, 23



0, 0, 0



117, 85, 199



117, 85, 199

■ 103, 65, 199

■ 131, 105, 199

■ 88, 45, 199

■ 146, 125, 199

■ 74, 25, 199

■ 160, 145, 199

■ 60, 5, 199

■ 174, 165, 199

■ 56, 0, 199

■ 189, 185, 199

■ 203, 204, 199

■ 217, 224, 199

■ 232, 244, 199

■ 246, 255, 199

Harmonies

Analogous

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



0, 110, 220



117, 85, 199



180, 51, 154

Triad

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



117, 85, 199



165, 85, 0



0, 130, 116

Complementary

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



117, 85, 199



167, 199, 85

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, 127, 56



117, 85, 199



119, 107, 0

Square

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



117, 85, 199



195, 54, 43



57, 121, 0



0, 130, 171

Rectangle

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



117, 85, 199



199, 30, 117



57, 121, 0



0, 130, 96

Sweetspot

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



117, 85, 199



224, 212, 255



85, 169, 199



109, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 85, 199



128, 79, 255



172, 85, 199



92, 90, 99



46, 0, 163



10, 0, 36

Inverse Universe

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



199, 85, 167



255, 79, 206



112, 199, 85



99, 90, 97



163, 0, 117



36, 0, 26

Previews

White Background



This preview shows how the RGB color 117, 85, 199 looks on a white background.

Color Contrast Check

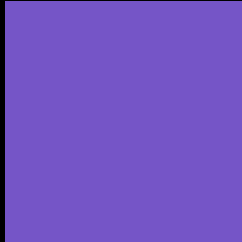
Large Text (above 18pt) WCAG AA ✓ Pass

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 117, 85, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

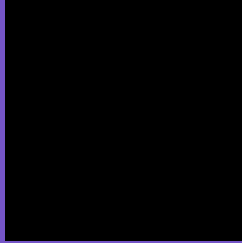
Any Text WCAG AA × Fail

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 117, 85, 199 Background



This preview shows how black text looks on a background with the RGB color 117, 85, 199.

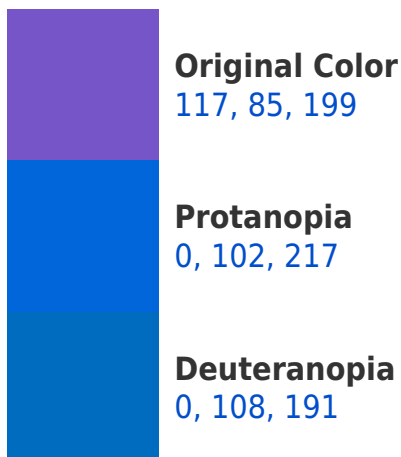


This preview shows how white text looks on a background with the RGB color 117, 85, 199.

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
97, 107, 116

Trichromacy



Original Color

117, 85, 199



Protanomaly

43, 96, 210



Deuteranomaly

43, 100, 194



Tritanomaly

104, 99, 146

Monochromacy



Original Color

117, 85, 199



Achromatopsia

108, 108, 108



Achromatomaly

111, 100, 141

CSS Examples

Text

The CSS property to change the color of the text to RGB 117, 85, 199 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(117, 85, 199)` looks like.

```
.text, #text, p{  
    color:rgb(117, 85, 199)  
}
```

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(117, 85, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 85, 199) }
```

Border

The CSS property to change the border of an element to RGB 117, 85, 199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

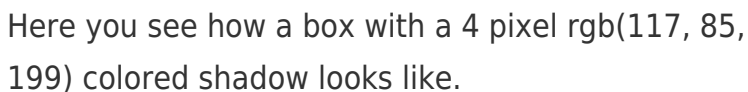
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 85, 199) }
```

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

```
.border{ border-color:rgb(117, 85, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 85, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 85, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 85, 199); box-shadow:4px 4px 4px 4px rgb(117, 85, 199) }
```

Background

The CSS property to change the background color of an element to RGB 117, 85, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 85, 199) }
```

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

```
.background{ background-color: rgb(117, 85,  
199) }
```

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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