

Converting Colors

RGB(117, 80, 166)

Have a look what the booklet for
RGB(117, 80, 166) contains.

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Color

RGB(117, 80, 166)

Conversions

Conversions Part 1

Format	Color
Hex	7550A6
RGB	117, 80, 166
RGB Percent	46%, 31%, 65%
CMY	0.5412, 0.6863, 0.3490
CMYK	0.30, 0.52, 0.00, 0.35
HSL	266°, 35%, 48%
HSV	266°, 52%, 65%
XYZ	17.0877, 12.2724, 37.5446
YIQ	100.8670, -5.5540, 34.5900

Conversions

Conversions Part 2

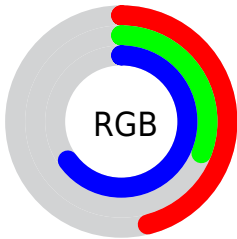
Format	Color
R_{YB}	117, 80, 166
Decimal	7688358
CIE _{Lab}	41.65, 33.72, -40.86
CIE _{LCh}	42, 52.977, 309.536
Yxy	12.2724, 0.2554, 0.1834
Android (android.graphics.Color)	4285878438 (0xFF7550A6)
YUV	100.8670, 32.1106, 14.1486
Hunter-Lab	35.0320, 25.7618, -39.0201

Details

The RGB color **117, 80, 166** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **129, 166, 80**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **171, 130, 222**, and **65, 33, 113** is the 20% darker color. If you saturate the color by 10%, you get **108, 63, 166**, and if you desaturate by 10%, it is **126, 97, 166**.

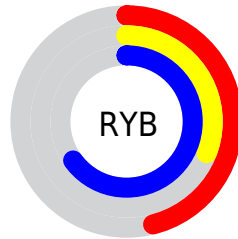
Distribution



Red (46%)

Green (31%)

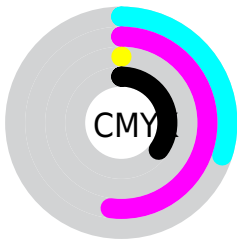
Blue (65%)



Red (46%)

Yellow (31%)

Blue (65%)

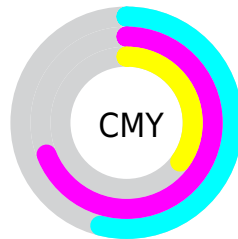


Cyan (30%)

Magenta (52%)

Yellow (0%)

Black (35%)



Cyan (54%)

Magenta (69%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the RGB color 117, 80, 166 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, 80, 166 by changing the saturation by 10% instead.

 117, 80, 166

 117, 80, 166

255, 255, 255

 91, 56, 139

 171, 130, 222

 65, 33, 113

 199, 157, 250

 39, 10, 88

 228, 184, 255

 16, 0, 65

 255, 212, 255

 0, 3, 42


 255, 240, 255

 0, 1, 20

 0, 0, 0

 117, 80, 166

 117, 80, 166

 108, 63, 166

 126, 97, 166

■ 98, 47, 166

■ 136, 113, 166

■ 89, 30, 166

■ 145, 130, 166

■ 79, 14, 166

■ 155, 146, 166

■ 71, 0, 166

■ 164, 163, 166

■ 174, 180, 166

■ 183, 196, 166

■ 193, 213, 166

■ 202, 229, 166

Harmonies

Analogous

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



0, 99, 185



117, 80, 166



160, 59, 130

Triad

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



117, 80, 166



142, 85, 2



0, 118, 111

Complementary

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



117, 80, 166



129, 166, 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, 66



117, 80, 166



106, 101, 0

Square

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



117, 80, 166



167, 65, 45



58, 111, 22



0, 117, 153

Rectangle

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



117, 80, 166



173, 52, 101



58, 111, 22



0, 118, 96

Sweetspot

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



117, 80, 166



197, 182, 217



80, 130, 166



98, 89, 110



237, 237, 237



110, 110, 110

Same Dimension

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



117, 80, 166



140, 82, 217



159, 80, 166



79, 76, 84



64, 0, 148



9, 0, 20

Inverse Universe

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



166, 80, 129



217, 82, 159



87, 166, 80



84, 76, 81



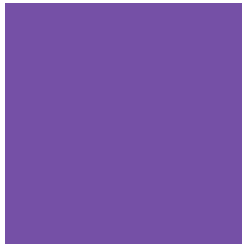
148, 0, 84



20, 0, 12

Previews

White Background



This preview shows how the RGB color 117, 80, 166 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, 80, 166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

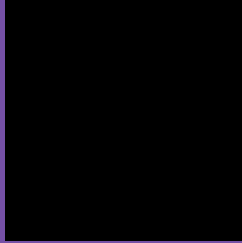
Any Text WCAG AA × Fail

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, 80, 166 Background



This preview shows how black text looks on a background with the RGB color 117, 80, 166.



This preview shows how white text looks on a background with the RGB color 117, 80, 166.

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
117, 80, 166

Protanopia
55, 96, 181

Deuteranopia
58, 99, 162



Tritanopia
105, 96, 103

Trichromacy



Original Color

117, 80, 166

Protanomaly

78, 90, 176

Deuteranomaly

79, 92, 163

Tritanomaly

109, 90, 126

Monochromacy



Original Color

117, 80, 166

Achromatopsia

101, 101, 101

Achromatomaly

107, 93, 125

CSS Examples

Text

The CSS property to change the color of the text to RGB 117, 80, 166 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, 80, 166)` looks like.

```
.text, #text, p{  
    color:rgb(117, 80, 166)  
}
```

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, 80, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 80, 166) }
```

Border

The CSS property to change the border of an element to RGB 117, 80, 166 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, 80, 166) }
```

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

```
.border{ border-color:rgb(117, 80, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 80, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 80, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 80, 166);  
box-shadow:4px 4px 4px 4px rgb(117, 80,  
166) }
```

Background

The CSS property to change the background color of an element to RGB 117, 80, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 80, 166) }
```

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

```
.background{ background-color: rgb(117, 80,  
166) }
```

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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