

Converting Colors

RGB(128, 117, 174)

Have a look what the booklet for
RGB(128, 117, 174) contains.

RGB(128, 117, 174)	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(128, 117, 174)

Conversions

Conversions Part 1

Format	Color
Hex	8075AE
RGB	128, 117, 174
RGB Percent	50%, 46%, 68%
CMY	0.4980, 0.5412, 0.3176
CMYK	0.26, 0.33, 0.00, 0.32
HSL	252°, 26%, 57%
HSV	252°, 33%, 68%
XYZ	22.9034, 20.3678, 42.7686
YIQ	126.7870, -11.7410, 20.0590

Conversions

Conversions Part 2

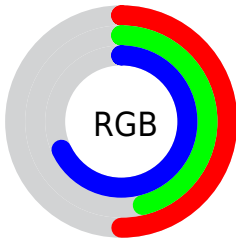
Format	Color
R _Y B	128, 117, 174
Decimal	8418734
CIE Lab	52.25, 16.96, -28.80
CIE LCh	52, 33.420, 300.492
Yxy	20.3678, 0.2662, 0.2367
Android (android.graphics.Color)	4286608814 (0xFF8075AE)
YUV	126.7870, 23.2760, 1.0638
Hunter-Lab	45.1307, 11.6083, -24.5954

Details

The RGB color `128, 117, 174` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `163, 174, 117`, and the grayscale version is `127, 127, 127`.

A 20% lighter version of the original color is `182, 169, 230`, and `77, 69, 121` is the 20% darker color. If you saturate the color by 10%, you get `114, 100, 174`, and if you desaturate by 10%, it is `142, 134, 174`.

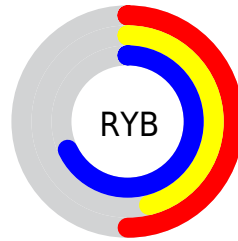
Distribution



Red (50%)

Green (46%)

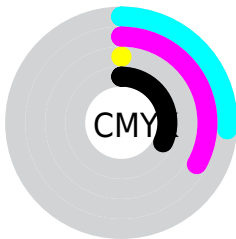
Blue (68%)



Red (50%)

Yellow (46%)

Blue (68%)

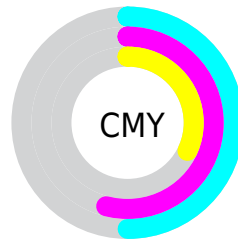


Cyan (26%)

Magenta (33%)

Yellow (0%)

Black (32%)



Cyan (50%)

Magenta (54%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RGB color 128, 117, 174 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 128, 117, 174 by changing the saturation by 10% instead.

■ 128, 117, 174

255, 255, 255

■ 182, 169, 230

■ 210, 196, 255

■ 238, 224, 255

■ 255, 253, 255

■ 128, 117, 174

■ 102, 92, 147

■ 77, 69, 121

■ 53, 46, 96

■ 29, 26, 72

■ 8, 0, 50

■ 0, 1, 28

■ 0, 0, 0

■ 128, 117, 174

■ 114, 100, 174

■ 128, 117, 174

■ 142, 134, 174

100, 82, 174

156, 152, 174

86, 65, 174

170, 169, 174

72, 47, 174

184, 187, 174

58, 30, 174

198, 204, 174

44, 13, 174

212, 221, 174

34, 0, 174

226, 239, 174

240, 255, 174

254, 255, 174

Harmonies

Analogous

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



81, 127, 182



128, 117, 174



161, 107, 153

Triad

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



128, 117, 174



165, 113, 75



29, 140, 124

Complementary

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



128, 117, 174



163, 174, 117

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.



78, 137, 95



128, 117, 174



142, 123, 66

Square

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



128, 117, 174



178, 104, 97



113, 132, 74



0, 139, 153

Rectangle

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



128, 117, 174



174, 103, 135



113, 132, 74



49, 139, 114

Sweetspot

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



128, 117, 174



209, 204, 227



117, 164, 174



104, 101, 115



242, 242, 242



115, 115, 115

Same Dimension

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



128, 117, 174



156, 138, 227



156, 117, 174



80, 78, 87



29, 0, 150



4, 0, 23

Inverse Universe

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



174, 117, 163



227, 138, 210



135, 174, 117



87, 78, 85



150, 0, 121



23, 0, 19

Previews

White Background



This preview shows how the RGB color 128, 117, 174 looks on a white 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

Black Background



This preview shows how the RGB color 128, 117, 174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

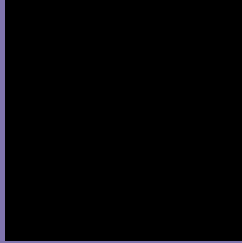
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 128, 117, 174 Background



This preview shows how black text looks on a background with the RGB color 128, 117, 174.



This preview shows how white text looks on a background with the RGB color 128, 117, 174.

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
128, 117, 174

Protanopia
107, 123, 179

Deuteranopia
109, 123, 173



Tritanopia
120, 125, 135

Trichromacy



Original Color
128, 117, 174

Protanomaly
115, 121, 177

Deuteranomaly
116, 121, 173

Tritanomaly
123, 122, 149

Monochromacy



Original Color
128, 117, 174

Achromatopsia
127, 127, 127

Achromatomaly
127, 123, 144

CSS Examples

Text

The CSS property to change the color of the text to RGB 128, 117, 174 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(128, 117, 174)` looks like.

```
.text, #text, p{  
    color:rgb(128, 117, 174)  
}
```

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(128, 117, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 117, 174) }
```

Border

The CSS property to change the border of an element to RGB 128, 117, 174 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(128, 117, 174) }
```

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

```
.border{ border-color:rgb(128, 117, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 117, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 117, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 117, 174);  
box-shadow:4px 4px 4px 4px rgb(128, 117,  
174) }
```

Background

The CSS property to change the background color of an element to RGB 128, 117, 174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 117, 174) }
```

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

```
.background{ background-color: rgb(128,  
117, 174) }
```

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