

# Converting Colors

RGB(133, 118, 194)

Have a look what the booklet for  
RGB(133, 118, 194) contains.

<b>RGB(133, 118, 194)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**RGB(133, 118, 194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8576C2
RGB	133, 118, 194
RGB Percent	52%, 46%, 76%
CMY	0.4784, 0.5373, 0.2392
CMYK	0.31, 0.39, 0.00, 0.24
HSL	252°, 38%, 61%
HSV	252°, 39%, 76%
XYZ	25.8889, 21.8385, 53.8897
YIQ	131.1490, -15.4560, 26.8160

# Conversions

## Conversions Part 2

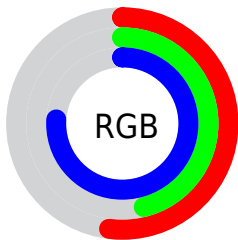
Format	Color
<a href="#">RYB</a>	<a href="#">133, 118, 194</a>
Decimal	<a href="#">8746690</a>
CIELab	<a href="#">53.86, 23.01, -37.76</a>
CIELCh	<a href="#">54, 44.221, 301.358</a>
Yxy	<a href="#">21.8385, 0.2548, 0.2149</a>
Android (android.graphics.Color)	<a href="#">4286936770</a> ( <a href="#">0xFF8576C2</a> )
YUV	<a href="#">131.1490, 30.9855, 1.6233</a>
Hunter-Lab	<a href="#">46.7316, 17.1070, -35.6595</a>

# Details

The RGB color **133, 118, 194** is a light color, and the websafe version is hex **666699**. A complement of this color would be **179, 194, 118**, and the grayscale version is **131, 131, 131**.

A 20% lighter version of the original color is **188, 170, 251**, and **80, 70, 140** is the 20% darker color. If you saturate the color by 10%, you get **117, 99, 194**, and if you desaturate by 10%, it is **149, 137, 194**.

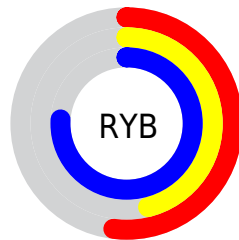
# Distribution



Red (52%)

Green (46%)

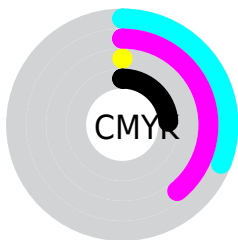
Blue (76%)



Red (52%)

Yellow (46%)

Blue (76%)

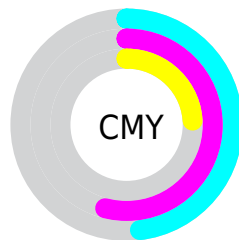


Cyan (31%)

Magenta (39%)

Yellow (0%)

Black (24%)



Cyan (48%)

Magenta (54%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 133, 118, 194 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 133, 118, 194 by changing the saturation by 10% instead.



 133, 118, 194

255, 255, 255

 188, 170, 251

 216, 198, 255

 245, 226, 255

255, 254, 255

 133, 118, 194

 133, 118, 194

 106, 93, 167


 80, 70, 140

 55, 47, 114

 28, 26, 89

 0, 2, 65

 0, 3, 42


 0, 1, 21

 0, 0, 0

 133, 118, 194


 117, 99, 194

 149, 137, 194

 102, 79, 194

 164, 157, 194

 86, 60, 194


 180, 176, 194

 71, 40, 194


 195, 196, 194

 55, 21, 194

 211, 215, 194

 40, 2, 194

 226, 234, 194

 38, 0, 194

 242, 254, 194

 255, 255, 194

# Harmonies

## Analogous

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



57, 132, 205



133, 118, 194



177, 103, 166

# Triad

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



133, 118, 194



179, 113, 62



0, 148, 129

# Complementary

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



133, 118, 194



179, 194, 118

# 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.



58, 145, 91



133, 118, 194



149, 127, 49

# Square

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



133, 118, 194



197, 100, 91



110, 138, 60



0, 147, 167

# Rectangle

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



133, 118, 194



193, 97, 141



110, 138, 60



0, 147, 116



# Sweetspot

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



133, 118, 194



228, 222, 252



118, 180, 194



113, 110, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



133, 118, 194



157, 134, 252



170, 118, 194



89, 87, 97



32, 0, 161



7, 0, 33



# Inverse Universe

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



194, 118, 179



252, 134, 229



142, 194, 118



97, 87, 95



161, 0, 129



33, 0, 27



# Previews

## White Background



This preview shows how the RGB color 133, 118, 194 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 133, 118, 194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

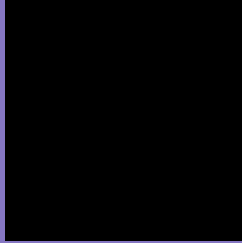
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RGB 133, 118, 194 Background



This preview shows how black text looks on a background with the RGB color 133, 118, 194.

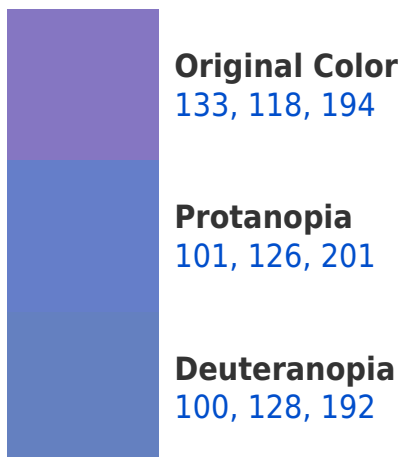


This preview shows how white text looks on a background with the RGB color 133, 118, 194.

# 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**  
122, 129, 140

# Trichromacy



**Original Color**  
133, 118, 194

**Protanomaly**  
113, 123, 198

**Deuteranomaly**  
112, 124, 193

**Tritanomaly**  
126, 125, 160

# Monochromacy



**Original Color**  
133, 118, 194

**Achromatopsia**  
131, 131, 131

**Achromatomaly**  
132, 126, 154

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 133, 118, 194 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(133, 118, 194)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 194)  
}
```

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(133, 118, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 194) }
```

## Border

The CSS property to change the border of an element to RGB 133, 118, 194 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(133, 118, 194) }
```

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

```
.border{ border-color:rgb(133, 118, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 118, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 118, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 118, 194); box-shadow:4px 4px 4px 4px rgb(133, 118, 194) }
```

# Background

The CSS property to change the background color of an element to RGB 133, 118, 194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 194) }
```

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

```
.background{ background-color: rgb(133,  
118, 194) }
```

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