

Converting Colors

`RYB(133, 119, 196)`

Have a look what the booklet for RYB(133, 119, 196) contains.

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Color

R_YB(133, 119, 196)

Conversions

Conversions Part 1

Format	Color
Hex	8577C4
RGB	133, 119, 196
RGB Percent	52%, 47%, 77%
CMY	0.4784, 0.5333, 0.2314
CMYK	0.32, 0.39, 0.00, 0.23
HSL	251°, 39%, 62%
HSV	251°, 39%, 77%
XYZ	26.2335, 22.1657, 55.1203
YIQ	131.9640, -16.3730, 26.9150

Conversions

Conversions Part 2

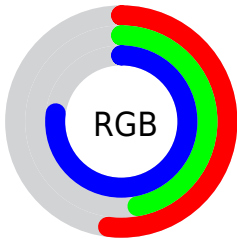
Format	Color
RYB	133, 119, 196
Decimal	8746948
CIELab	54.20, 22.95, -38.36
CIElCh	54, 44.698, 300.889
Yxy	22.1657, 0.2534, 0.2141
Android (android.graphics.Color)	4286937028 (0xFF8577C4)
YUV	131.9640, 31.5697, 0.9086
Hunter-Lab	47.0805, 17.0703, -36.4585

Details

The RYB color **133, 119, 196** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **119, 196, 133**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **188, 171, 253**, and **80, 70, 142** is the 20% darker color. If you saturate the color by 10%, you get **117, 99, 196**, and if you desaturate by 10%, it is **149, 139, 196**.

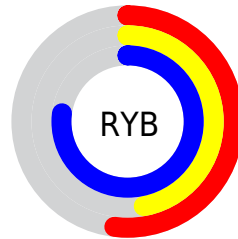
Distribution



Red (52%)

Green (47%)

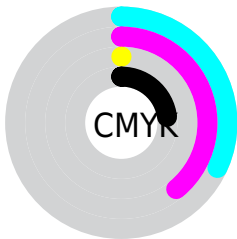
Blue (77%)



Red (52%)

Yellow (47%)

Blue (77%)

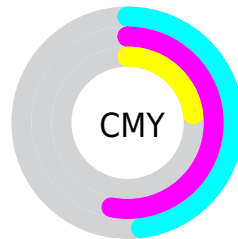


Cyan (32%)

Magenta (39%)

Yellow (0%)

Black (23%)



Cyan (48%)

Magenta (53%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 119, 196 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 RYB color 133, 119, 196 by changing the saturation by 10% instead.

■ 133, 119, 196

255, 255, 255

■ 188, 171, 253

■ 216, 199, 255

■ 245, 227, 255

■ 133, 119, 196

■ 106, 94, 169

■ 80, 70, 142

■ 54, 48, 116

■ 27, 27, 91

■ 0, 4, 67

■ 0, 3, 44

■ 0, 1, 22

■ 0, 0, 0

■ 133, 119, 196

■ 133, 119, 196

■ 117, 99, 196

■ 149, 139, 196

■ 101, 80, 196

■ 165, 158, 196

■ 85, 60, 196

■ 181, 178, 196

■ 69, 41, 196

■ 196, 197, 196

■ 53, 21, 196

■ 196, 217, 200

■ 37, 1, 196

■ 196, 237, 204

■ 36, 0, 196

■ 196, 255, 206

■ 196, 255, 196

Harmonies

Analogous

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



55, 107, 207



133, 119, 196



178, 104, 168

Triad

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



133, 119, 196



181, 154, 62



0, 80, 149

Complementary

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



133, 119, 196



119, 196, 133

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.



59, 123, 146



133, 119, 196



77, 150, 49

Square

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



133, 119, 196



199, 102, 92



60, 139, 88



0, 79, 168

Rectangle

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



133, 119, 196



195, 97, 143



60, 139, 88



0, 83, 148

Sweetspot

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



133, 119, 196



230, 224, 255



119, 154, 196



113, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



133, 119, 196



157, 135, 255



170, 119, 196



89, 87, 97



29, 0, 161



6, 0, 33

Inverse Universe

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



196, 119, 182



255, 135, 233



119, 196, 170



97, 87, 95



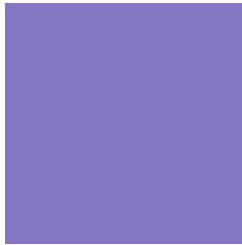
161, 0, 131



33, 0, 27

Previews

White Background



This preview shows how the RYB color 133, 119, 196 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 RYB color 133, 119, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

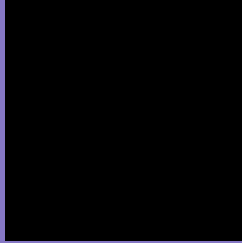
Any Text WCAG AA ✓ Pass

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](#).

RYB 133, 119, 196 Background



This preview shows how black text looks on a background with the RYB color 133, 119, 196.

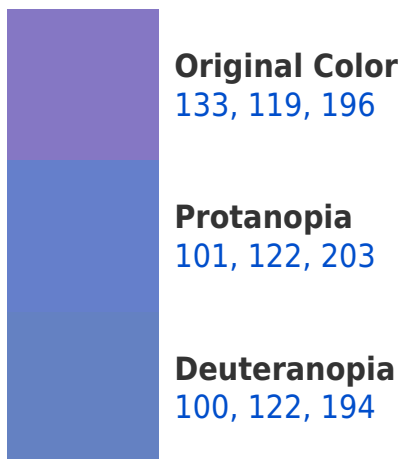


This preview shows how white text looks on a background with the RYB color 133, 119, 196.

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, 128, 141

Trichromacy



Original Color
133, 119, 196

Protanomaly
113, 123, 200

Deuteranomaly
112, 123, 195

Tritanomaly
126, 127, 161

Monochromacy



Original Color
133, 119, 196

Achromatopsia
132, 132, 132

Achromatomaly
132, 127, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 119, 196 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, 119, 196)` looks like.

```
.text, #text, p{  
    color:rgb(133, 119, 196)  
}
```

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, 119, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 119, 196) }
```

Border

The CSS property to change the border of an element to RYB 133, 119, 196 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, 119, 196) }
```

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

```
.border{ border-color:rgb(133, 119, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 119, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 119, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 119, 196);  
box-shadow:4px 4px 4px 4px rgb(133, 119,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 133, 119, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 119, 196) }
```

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

```
.background{ background-color: rgb(133,  
119, 196) }
```

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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