

Converting Colors

RGB(133, 106, 177)

Have a look what the booklet for
RGB(133, 106, 177) contains.

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Color

RGB(133, 106, 177)

Conversions

Conversions Part 1

Format	Color
Hex	856AB1
RGB	133, 106, 177
RGB Percent	52%, 42%, 69%
CMY	0.4784, 0.5843, 0.3059
CMYK	0.25, 0.40, 0.00, 0.31
HSL	263°, 31%, 55%
HSV	263°, 40%, 69%
XYZ	22.7627, 18.4689, 43.9601
YIQ	122.1670, -6.6990, 27.8050

Conversions

Conversions Part 2

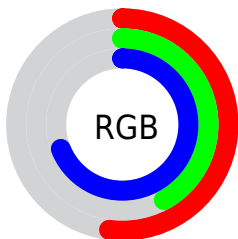
Format	Color
R _Y B	133, 106, 177
Decimal	8743601
CIE Lab	50.06, 25.76, -33.92
CIE LCh	50, 42.595, 307.214
Yxy	18.4689, 0.2672, 0.2168
Android (android.graphics.Color)	4286933681 (0xFF856AB1)
YUV	122.1670, 27.0327, 9.5005
Hunter-Lab	42.9755, 19.3385, -30.5655

Details

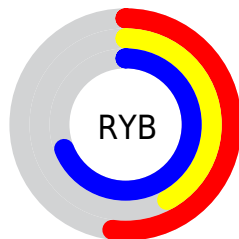
The RGB color **133, 106, 177** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **150, 177, 106**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **187, 158, 233**, and **81, 58, 124** is the 20% darker color. If you saturate the color by 10%, you get **122, 88, 177**, and if you desaturate by 10%, it is **144, 124, 177**.

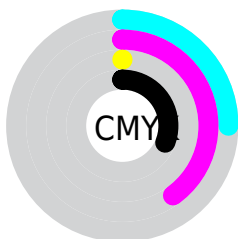
Distribution



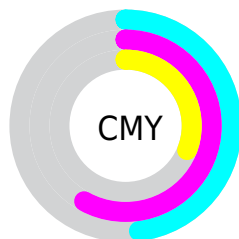
- Red (52%)
- Green (42%)
- Blue (69%)



- Red (52%)
- Yellow (42%)
- Blue (69%)



- Cyan (25%)
- Magenta (40%)
- Yellow (0%)
- Black (31%)



- Cyan (48%)
- Magenta (58%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RGB color 133, 106, 177 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, 106, 177 by changing the saturation by 10% instead.

■ 133, 106, 177

255, 255, 255

■ 187, 158, 233

■ 216, 185, 255

■ 244, 212, 255

■ 255, 241, 255

■ 133, 106, 177

■ 107, 82, 150

■ 81, 58, 124

■ 56, 36, 99

■ 32, 15, 74

■ 15, 0, 52

■ 0, 2, 29

■ 0, 0, 0

■ 133, 106, 177

■ 122, 88, 177

■ 133, 106, 177

■ 144, 124, 177

111, 71, 177

155, 141, 177

100, 53, 177

166, 159, 177

89, 35, 177

177, 177, 177

78, 17, 177

188, 195, 177

67, 0, 177

199, 212, 177

210, 230, 177

221, 248, 177

232, 255, 177

Harmonies

Analogous

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



69, 120, 191



133, 106, 177



170, 93, 148

Triad

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



133, 106, 177



162, 107, 51



0, 137, 127

Complementary

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



133, 106, 177



150, 177, 106

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.



36, 135, 90



133, 106, 177



131, 120, 43

Square

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



133, 106, 177



182, 94, 77



93, 129, 59



0, 136, 162

Rectangle

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



133, 106, 177



183, 88, 124



93, 129, 59



0, 137, 114

Sweetspot

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



133, 106, 177



212, 202, 230



106, 151, 177



105, 99, 115



242, 242, 242



115, 115, 115

Same Dimension

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



133, 106, 177



161, 119, 230



168, 106, 177



84, 80, 89



58, 0, 153



10, 0, 26

Inverse Universe

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



177, 106, 150



230, 119, 188



115, 177, 106



89, 80, 86



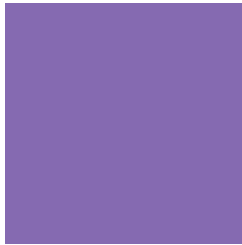
153, 0, 95



26, 0, 16

Previews

White Background



This preview shows how the RGB color 133, 106, 177 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, 106, 177 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, 106, 177 Background



This preview shows how black text looks on a background with the RGB color 133, 106, 177.

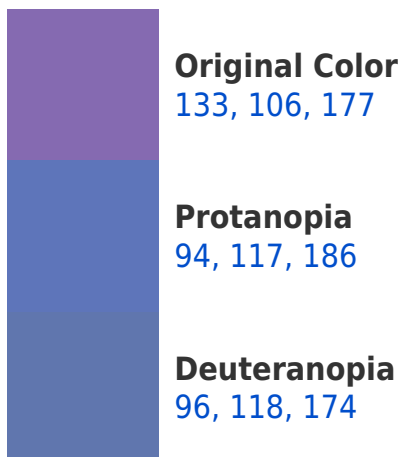


This preview shows how white text looks on a background with the RGB color 133, 106, 177.

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
124, 117, 126

Trichromacy



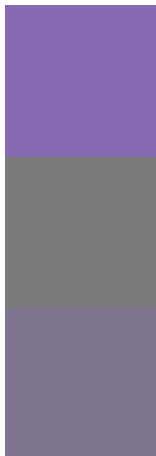
Original Color
133, 106, 177

Protanomaly
108, 113, 183

Deuteranomaly
109, 114, 175

Tritanomaly
127, 113, 145

Monochromacy



Original Color
133, 106, 177

Achromatopsia
122, 122, 122

Achromatomaly
126, 116, 142

CSS Examples

Text

The CSS property to change the color of the text to RGB 133, 106, 177 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, 106, 177)` looks like.

```
.text, #text, p{  
    color:rgb(133, 106, 177)  
}
```

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, 106, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 106, 177) }
```

Border

The CSS property to change the border of an element to RGB 133, 106, 177 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, 106, 177) }
```

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

```
.border{ border-color:rgb(133, 106, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 106, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 106, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 106, 177);  
box-shadow:4px 4px 4px 4px rgb(133, 106,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 133, 106, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 106, 177) }
```

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

```
.background{ background-color: rgb(133,  
106, 177) }
```

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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