

Converting Colors

`RYB(106, 133, 100)`

Have a look what the booklet for
RYB(106, 133, 100) contains.

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Color

R_YB(106, 133, 100)

Conversions

Conversions Part 1

Format	Color
Hex	858064
RGB	133, 128, 100
RGB Percent	52%, 50%, 39%
CMY	0.4784, 0.4983, 0.6078
CMYK	0.00, 0.04, 0.25, 0.48
HSL	51°, 14%, 46%
HSV	51°, 25%, 52%
XYZ	19.6823, 21.3249, 15.1353
YIQ	126.3030, 11.9680, -7.6480

Conversions

Conversions Part 2

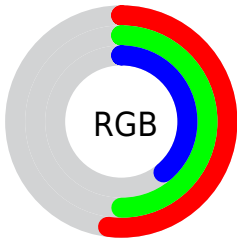
Format	Color
RYB	106, 133, 100
Decimal	8749156
CIELab	53.30, -2.91, 15.89
CIElCh	53, 16.149, 100.378
Yxy	21.3249, 0.3506, 0.3798
Android (android.graphics.Color)	4286939236 (0xFF858064)
YUV	126.3030, -12.9674, 5.8733
Hunter-Lab	46.1789, -4.7333, 12.8927

Details

The RYB color **106, 133, 100** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **100, 104, 133**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **157, 186, 151**, and **58, 83, 53** is the 20% darker color. If you saturate the color by 10%, you get **95, 133, 87**, and if you desaturate by 10%, it is **117, 133, 113**.

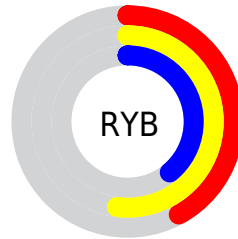
Distribution



Red (52%)

Green (50%)

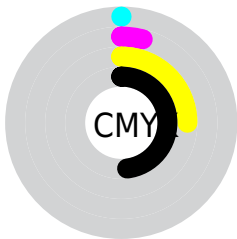
Blue (39%)



Red (42%)

Yellow (52%)

Blue (39%)

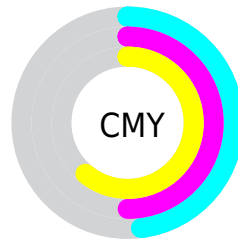


Cyan (0%)

Magenta (4%)

Yellow (25%)

Black (48%)



Cyan (48%)

Magenta (50%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 133, 100 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 106, 133, 100 by changing the saturation by 10% instead.

■ 106, 133, 100

255, 255, 255

■ 157, 186, 151

■ 185, 214, 178

■ 214, 243, 205

■ 233, 255, 233

■ 106, 133, 100

■ 95, 133, 87

■ 84, 133, 73

■ 106, 133, 100

■ 82, 108, 76

■ 58, 83, 53

■ 37, 60, 32

■ 12, 38, 9

■ 0, 13, 2

■ 0, 0, 0

■ 106, 133, 100

■ 117, 133, 113

■ 128, 133, 127

■ 73, 133, 60

■ 133, 134, 140

■ 62, 133, 47

■ 133, 136, 153

■ 51, 133, 33

■ 133, 137, 167

■ 40, 133, 20

■ 133, 139, 180

■ 29, 133, 7

■ 133, 141, 193

■ 24, 133, 0

■ 133, 143, 206

■ 133, 144, 220

Harmonies

Analogous

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



146, 142, 102



106, 133, 100



106, 132, 121

Triad

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



106, 133, 100



90, 114, 145



149, 119, 137

Complementary

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



106, 133, 100



100, 104, 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.



136, 122, 148



106, 133, 100



100, 120, 153

Square

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



106, 133, 100



91, 114, 135



118, 125, 154



156, 118, 123

Rectangle

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



106, 133, 100



107, 129, 134



118, 125, 154



146, 120, 141

Sweetspot

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



106, 133, 100



162, 173, 161



133, 100, 106



81, 87, 80



214, 214, 214



87, 87, 87

Same Dimension

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



106, 133, 100



130, 173, 121



100, 133, 111



61, 66, 60



24, 130, 0



2, 3, 0

Inverse Universe

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



100, 104, 133



121, 128, 173



111, 100, 133



60, 61, 66



0, 17, 130



0, 0, 3

Previews

White Background



This preview shows how the RYB color 106, 133, 100 looks on a white background.

Color Contrast Check

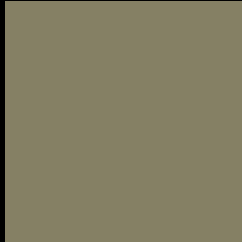
Large Text (above 18pt) WCAG AA ✓ Pass

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 106, 133, 100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

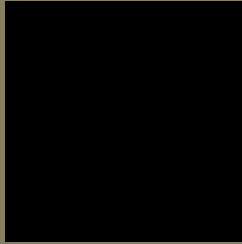
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

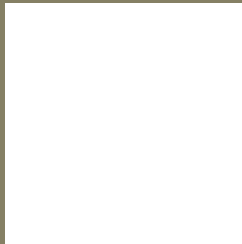
Any Text WCAG AAA × Fail

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

RYB 106, 133, 100 Background



This preview shows how black text looks on a background with the RYB color 106, 133, 100.



This preview shows how white text looks on a background with the RYB color 106, 133, 100.

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

106, 133, 100

Protanopia

112, 136, 100

Deuteranopia

148, 139, 101



Tritanopia
137, 123, 133

Trichromacy



Original Color

106, 133, 100

Protanomaly

110, 135, 100

Deuteranomaly

136, 143, 101

Tritanomaly

136, 126, 121

Monochromacy



Original Color

106, 133, 100

Achromatopsia

126, 126, 126

Achromatomaly

119, 129, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 133, 100 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, 128, 100)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 100)  
}
```

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, 128, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 100) }
```

Border

The CSS property to change the border of an element to RYB 106, 133, 100 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, 128, 100) }
```

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

```
.border{ border-color:rgb(133, 128, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 100);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 106, 133, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 100) }
```

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

```
.background{ background-color: rgb(133,  
128, 100) }
```

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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