

Converting Colors

`RYB(133, 135, 106)`

Have a look what the booklet for
RYB(133, 135, 106) contains.

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Color

R_YB(133, 135, 106)

Conversions

Conversions Part 1

Format	Color
Hex	87796A
RGB	135, 121, 106
RGB Percent	53%, 47%, 42%
CMY	0.4706, 0.5254, 0.5843
CMYK	0.00, 0.10, 0.21, 0.47
HSL	31°, 12%, 47%
HSV	31°, 21%, 53%
XYZ	19.4327, 19.8706, 16.4469
YIQ	123.4760, 13.1590, -1.6970

Conversions

Conversions Part 2

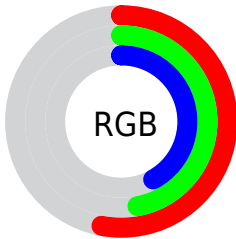
Format	Color
RYB	133, 135, 106
Decimal	8878442
CIELab	51.69, 2.79, 10.19
CIElCh	52, 10.568, 74.712
Yxy	19.8706, 0.3486, 0.3564
Android (android.graphics.Color)	4287068522 (0xFF87796A)
YUV	123.4760, -8.6157, 10.1065
Hunter-Lab	44.5764, -0.1932, 9.3280

Details

The RYB color **133, 135, 106** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **106, 115, 135**, and the grayscale version is **124, 124, 124**.

A 20% lighter version of the original color is **189, 189, 157**, and **81, 85, 59** is the 20% darker color. If you saturate the color by 10%, you get **131, 135, 93**, and if you desaturate by 10%, it is **133, 135, 120**.

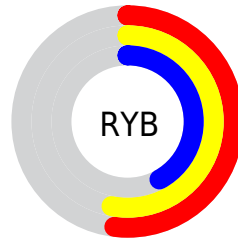
Distribution



Red (53%)

Green (47%)

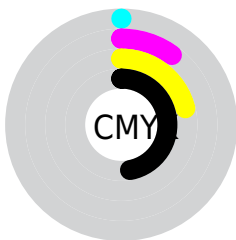
Blue (42%)



Red (52%)

Yellow (53%)

Blue (42%)

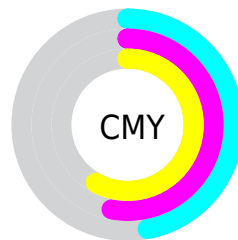


Cyan (0%)

Magenta (10%)

Yellow (21%)

Black (47%)



Cyan (47%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 135, 106 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, 135, 106 by changing the saturation by 10% instead.

 133, 135, 106

255, 255, 255


 189, 189, 157


 212, 216, 184

 243, 245, 212

 240, 255, 240


 133, 135, 106

 131, 135, 93

 131, 135, 79

 133, 135, 106

 107, 109, 82

 81, 85, 59

 57, 61, 37

 34, 39, 16

 16, 5, 0

 0, 0, 0

 133, 135, 106

 133, 135, 120

 135, 135, 133

■ 133, 135, 66

■ 135, 139, 147

■ 129, 135, 52

■ 135, 143, 160

■ 131, 135, 39

■ 135, 148, 174

■ 127, 135, 25

■ 135, 152, 187

■ 127, 135, 11

■ 135, 157, 201

■ 125, 135, 0

■ 135, 161, 214

■ 135, 165, 227

Harmonies

Analogous

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



141, 120, 111



133, 135, 106



108, 126, 106

Triad

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



133, 135, 106



101, 116, 129



130, 120, 136

Complementary

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



133, 135, 106



106, 115, 135

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.



119, 122, 141



133, 135, 106



101, 116, 136

Square

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



133, 135, 106



106, 120, 128



108, 119, 140



139, 117, 128

Rectangle

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



133, 135, 106



108, 126, 115



108, 119, 140



127, 120, 138

Sweetspot

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



133, 135, 106



174, 176, 165



135, 106, 120



89, 89, 83



217, 217, 217



89, 89, 89

Same Dimension

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



133, 135, 106



172, 176, 130



106, 135, 106



66, 66, 60



122, 130, 0



3, 2, 0

Inverse Universe

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



106, 115, 135



130, 145, 176



106, 106, 135



60, 62, 66



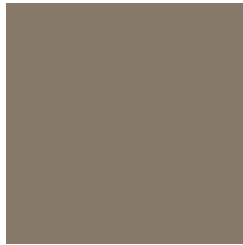
0, 42, 130



0, 1, 3

Previews

White Background



This preview shows how the RYB color 133, 135, 106 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, 135, 106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

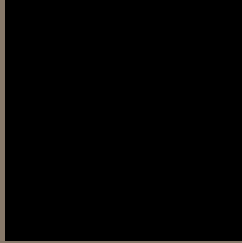
Any Text WCAG AA ✓ Pass

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](#).

R Y B 133, 135, 106 Background



This preview shows how black text looks on a background with the R Y B color 133, 135, 106.



This preview shows how white text looks on a background with the R Y B color 133, 135, 106.

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


133, 135, 106

Protanopia

115, 129, 107

Deuteranopia

141, 127, 106



Tritanopia
138, 118, 127

Trichromacy



Original Color
133, 135, 106

Protanomaly
121, 131, 107

Deuteranomaly
139, 130, 106

Tritanomaly
137, 119, 119

Monochromacy



Original Color
133, 135, 106

Achromatopsia
123, 123, 123

Achromatomaly
127, 127, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 135, 106 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(135, 121, 106) looks like.

```
.text, #text, p{  
    color:rgb(135, 121, 106)  
}
```

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(135, 121, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 121, 106) }
```

Border

The CSS property to change the border of an element to RYB 133, 135, 106 is called "border". The border property can be set on classes, ids or directly on the HTML element.

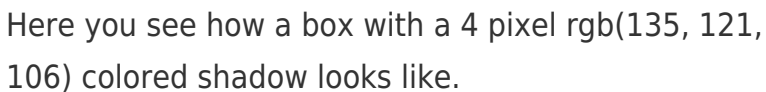
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 121, 106) }
```

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

```
.border{ border-color:rgb(135, 121, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 121, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 121, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 121, 106);  
box-shadow:4px 4px 4px 4px rgb(135, 121,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 133, 135, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 121, 106) }
```

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

```
.background{ background-color: rgb(135,  
121, 106) }
```

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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