

Converting Colors

`RYB(112, 119, 106)`

Have a look what the booklet for
RYB(112, 119, 106) contains.

RYB(112, 119, 106)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(112, 119, 106)

Conversions

Conversions Part 1

Format	Color
Hex	77736A
RGB	119, 115, 106
RGB Percent	47%, 45%, 42%
CMY	0.5333, 0.5494, 0.5843
CMYK	0.00, 0.03, 0.11, 0.53
HSL	41°, 6%, 44%
HSV	41°, 11%, 47%
XYZ	16.3280, 17.2000, 16.0950
YIQ	115.1700, 5.2730, -1.9510

Conversions

Conversions Part 2

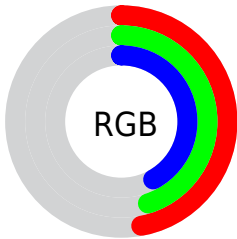
Format	Color
R_{YB}	112, 119, 106
Decimal	7828330
CIE _{Lab}	48.51, -0.11, 5.48
CIE _{LCh}	49, 5.479, 91.192
Yxy	17.2000, 0.3290, 0.3466
Android (android.graphics.Color)	4286018410 (0xFF77736A)
YUV	115.1700, -4.5208, 3.3589
Hunter-Lab	41.4729, -2.3016, 6.0215

Details

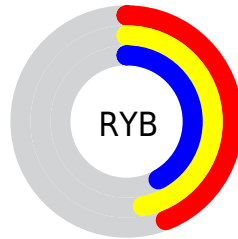
The RYB color **112, 119, 106** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **106, 109, 119**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **163, 171, 157**, and **65, 71, 59** is the 20% darker color. If you saturate the color by 10%, you get **106, 119, 94**, and if you desaturate by 10%, it is **118, 119, 118**.

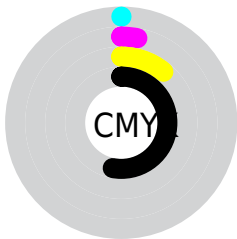
Distribution



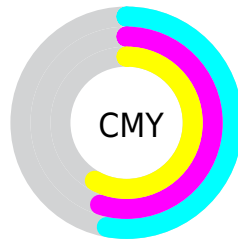
- Red (47%)
- Green (45%)
- Blue (42%)



- Red (44%)
- Yellow (47%)
- Blue (42%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 119, 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 112, 119, 106 by changing the saturation by 10% instead.

■ 112, 119, 106

255, 255, 255

■ 163, 171, 157

■ 192, 199, 184

■ 220, 227, 212

■ 248, 255, 240

■ 112, 119, 106

■ 88, 94, 82

■ 65, 71, 59

■ 41, 48, 37

■ 20, 27, 16

■ 0, 0, 0

■ 112, 119, 106

■ 106, 119, 94

■ 100, 119, 82

■ 92, 119, 70

■ 112, 119, 106

■ 118, 119, 118

■ 119, 121, 130

■ 119, 124, 142

■ 86, 119, 58

■ 119, 127, 154

■ 81, 119, 47

■ 119, 130, 165

■ 75, 119, 35

■ 119, 133, 177

■ 67, 119, 23

■ 119, 136, 189

■ 61, 119, 11

■ 119, 139, 201

■ 56, 119, 0

■ 119, 142, 213

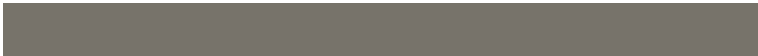
Harmonies

Analogous

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



123, 117, 107



112, 119, 106



107, 116, 109

Triad

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



112, 119, 106



104, 111, 120



122, 113, 120

Complementary

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



112, 119, 106



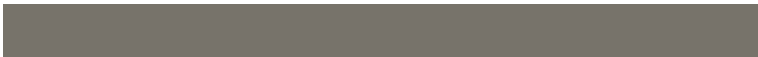
106, 109, 119

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.



116, 114, 123



112, 119, 106



106, 113, 123

Square

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



112, 119, 106



105, 112, 118



111, 114, 124



125, 112, 115

Rectangle

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



112, 119, 106



109, 117, 116



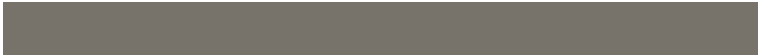
111, 114, 124



120, 113, 121

Sweetspot

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



112, 119, 106



154, 156, 151



119, 106, 110



78, 79, 76



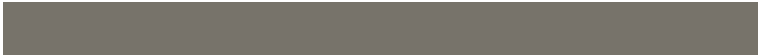
207, 207, 207



79, 79, 79

Same Dimension

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



112, 119, 106



146, 156, 135



106, 119, 108



56, 59, 53



55, 122, 0



115, 250, 0

Inverse Universe

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



106, 109, 119



135, 140, 156



108, 106, 119



53, 55, 59



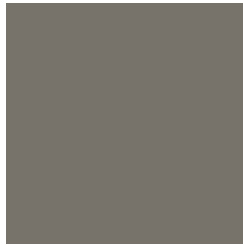
0, 30, 122



0, 60, 250

Previews

White Background



This preview shows how the RYB color 112, 119, 106 looks on a white 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

Black Background



This preview shows how the RYB color 112, 119, 106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

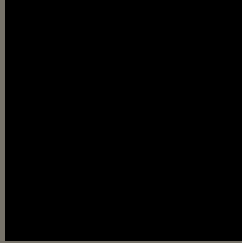
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 112, 119, 106 Background



This preview shows how black text looks on a background with the R Y B color 112, 119, 106.

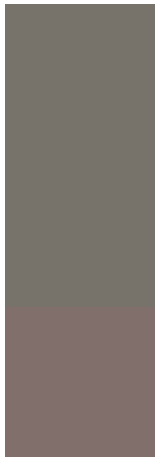


This preview shows how white text looks on a background with the R Y B color 112, 119, 106.

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
[112, 119, 106](#)

Protanopia
[112, 119, 106](#)

Deuteranopia
[129, 112, 107](#)



Tritanopia
121, 113, 121

Trichromacy



Original Color

112, 119, 106

Protanomaly

112, 119, 106

Deuteranomaly

125, 114, 107

Tritanomaly

120, 114, 116

Monochromacy



Original Color

112, 119, 106

Achromatopsia

115, 115, 115

Achromatomaly

113, 116, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 119, 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(119, 115, 106) looks like.

```
.text, #text, p{  
    color:rgb(119, 115, 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(119, 115, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 115, 106) }
```

Border

The CSS property to change the border of an element to RYB 112, 119, 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(119, 115, 106) }
```

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

```
.border{ border-color:rgb(119, 115, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 115, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 115, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 115, 106);  
box-shadow:4px 4px 4px 4px rgb(119, 115,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 112, 119, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 115, 106) }
```

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

```
.background{ background-color: rgb(119,  
115, 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](#).

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