

Converting Colors

`RYB(123, 116, 108)`

Have a look what the booklet for
RYB(123, 116, 108) contains.

RYB(123, 116, 108)	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(123, 116, 108)

Conversions

Conversions Part 1

Format	Color
Hex	7B716C
RGB	123, 113, 108
RGB Percent	48%, 44%, 42%
CMY	0.5176, 0.5560, 0.5765
CMYK	0.00, 0.08, 0.12, 0.52
HSL	21°, 6%, 45%
HSV	21°, 12%, 48%
XYZ	16.8046, 17.1525, 16.6124
YIQ	115.4200, 7.5650, 0.5650

Conversions

Conversions Part 2

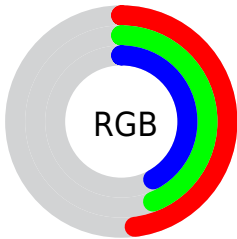
Format	Color
RYB	123, 116, 108
Decimal	8089964
CIELab	48.45, 2.82, 4.25
CIELCh	48, 5.104, 56.452
Yxy	17.1525, 0.3323, 0.3392
Android (android.graphics.Color)	4286280044 (0xFF7B716C)
YUV	115.4200, -3.6581, 6.6477
Hunter-Lab	41.4156, -0.0500, 5.2088

Details

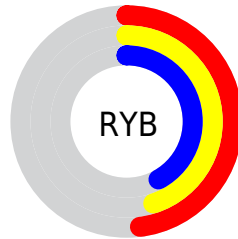
The RYB color **123, 116, 108** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **108, 114, 123**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **176, 168, 159**, and **74, 67, 61** is the 20% darker color. If you saturate the color by 10%, you get **123, 110, 96**, and if you desaturate by 10%, it is **123, 122, 120**.

Distribution



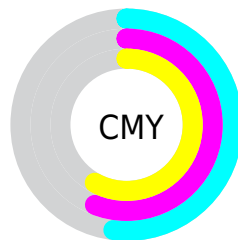
- Red (48%)
- Green (44%)
- Blue (42%)



- Red (48%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (8%)
- Yellow (12%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 116, 108 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 123, 116, 108 by changing the saturation by 10% instead.

■ 123, 116, 108

255, 255, 255

■ 176, 168, 159

■ 203, 195, 186

■ 231, 223, 214

■ 255, 253, 242

■ 123, 116, 108

■ 98, 92, 84

■ 74, 67, 61

■ 52, 45, 39

■ 30, 27, 18

■ 0, 0, 0

■ 123, 116, 108

■ 123, 110, 96

■ 123, 105, 83

■ 123, 99, 71

■ 123, 116, 108

■ 123, 122, 120

■ 123, 127, 133

■ 123, 132, 145

■ 123, 93, 59

■ 123, 136, 157

■ 123, 87, 47

■ 123, 141, 170

■ 123, 82, 34

■ 123, 146, 182

■ 123, 76, 22

■ 123, 151, 194

■ 123, 70, 10

■ 123, 156, 206

■ 123, 66, 0

■ 123, 161, 219

Harmonies

Analogous

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



125, 112, 111



123, 116, 108



113, 119, 107

Triad

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



123, 116, 108



106, 113, 118



115, 114, 123

Complementary

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



123, 116, 108



108, 114, 123

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.



110, 114, 124



123, 116, 108



105, 112, 119

Square

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



123, 116, 108



110, 117, 117



106, 113, 122



120, 113, 120

Rectangle

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



123, 116, 108



108, 116, 107



106, 113, 122



114, 115, 123

Sweetspot

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



123, 116, 108



161, 157, 154



123, 108, 118



82, 79, 78



209, 209, 209



82, 82, 82

Same Dimension

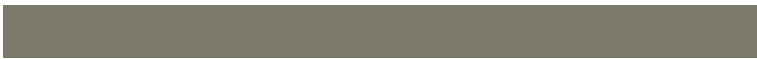
The Same Dimension uses a secret algorithm to generate beautiful new colors.



123, 116, 108



161, 149, 137



110, 123, 108



61, 58, 55



125, 66, 0



252, 135, 0

Inverse Universe

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



108, 114, 123



137, 146, 161



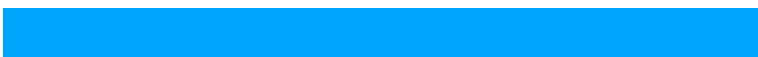
108, 111, 123



55, 57, 61



0, 49, 125



0, 100, 252

Previews

White Background



This preview shows how the RYB color 123, 116, 108 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 123, 116, 108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

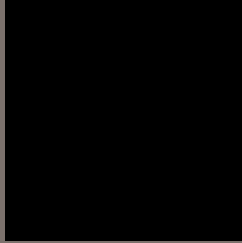
Any Text WCAG AA × Fail

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 123, 116, 108 Background



This preview shows how black text looks on a background with the R Y B color 123, 116, 108.



This preview shows how white text looks on a background with the R Y B color 123, 116, 108.

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


123, 116, 108

Protanopia

116, 119, 109

Deuteranopia

129, 112, 108



Tritanopia
125, 111, 120

Trichromacy



Original Color

123, 116, 108

Protanomaly

120, 118, 109

Deuteranomaly

127, 113, 108

Tritanomaly

124, 112, 116

Monochromacy



Original Color

123, 116, 108

Achromatopsia

116, 116, 116

Achromatomaly

119, 116, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 116, 108 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(123, 113, 108)` looks like.

```
.text, #text, p{  
    color:rgb(123, 113, 108)  
}
```

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(123, 113, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 113, 108) }
```

Border

The CSS property to change the border of an element to RYB 123, 116, 108 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(123, 113, 108) }
```

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

```
.border{ border-color:rgb(123, 113, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 113, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 113, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 113, 108);  
box-shadow:4px 4px 4px 4px rgb(123, 113,  
108) }
```

Background

The CSS property to change the background color of an element to RYB 123, 116, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 113, 108) }
```

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

```
.background{ background-color: rgb(123,  
113, 108) }
```

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