

# Converting Colors

`RYB(128, 116, 115)`

Have a look what the booklet for  
RYB(128, 116, 115) contains.

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# Color

**R<sub>Y</sub>B(128, 116, 115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	807473
RGB	128, 116, 115
RGB Percent	50%, 45%, 45%
CMY	0.4980, 0.5454, 0.5490
CMYK	0.00, 0.09, 0.10, 0.50
HSL	4°, 5%, 48%
HSV	4°, 10%, 50%
XYZ	18.2338, 18.3013, 18.7911
YIQ	119.4740, 7.4730, 2.2330

# Conversions

## Conversions Part 2

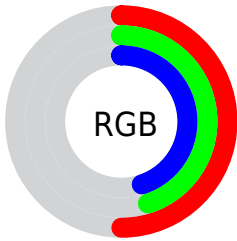
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 116, 115
Decimal	8418419
CIE Lab	49.86, 4.49, 2.20
CIE LCh	50, 5.002, 26.092
Yxy	18.3013, 0.3296, 0.3308
Android (android.graphics.Color)	4286608499 (0xFF807473)
YUV	119.4740, -2.2057, 7.4773
Hunter-Lab	42.7800, 1.2154, 3.9029

# Details

The RYB color **128, 116, 115** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **115, 121, 128**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **181, 168, 167**, and **79, 68, 67** is the 20% darker color. If you saturate the color by 10%, you get **128, 104, 102**, and if you desaturate by 10%, it is **128, 128, 128**.

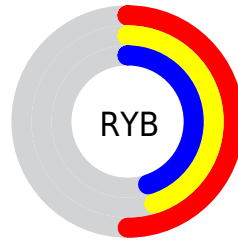
# Distribution



Red (50%)

Green (45%)

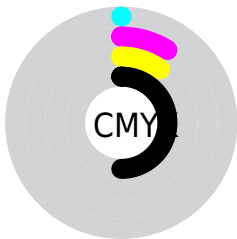
Blue (45%)



Red (50%)

Yellow (45%)

Blue (45%)

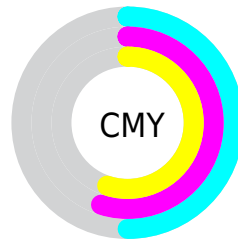


Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (55%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 128, 116, 115 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 128, 116, 115 by changing the saturation by 10% instead.



 128, 116, 115

255, 255, 255

 181, 168, 167

 208, 195, 194


 237, 223, 222

 255, 253, 250

 128, 116, 115

 128, 104, 102

 128, 92, 89

 128, 116, 115

 103, 91, 90

 79, 68, 67


 56, 46, 45

 34, 25, 24

 10, 0, 0

 0, 0, 0

 128, 116, 115

 128, 128, 128

 128, 134, 141

■ 128, 80, 77

■ 128, 140, 153

■ 128, 68, 64

■ 128, 146, 166

■ 128, 56, 51

■ 128, 152, 179

■ 128, 46, 38

■ 128, 159, 192

■ 128, 34, 25

■ 128, 165, 205

■ 128, 22, 13

■ 128, 171, 217

■ 128, 10, 0

■ 128, 177, 230

# Harmonies

## Analogous

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



127, 116, 119



128, 116, 115



126, 120, 112

# Triad

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



128, 116, 115



113, 120, 121



114, 118, 127

# Complementary

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



128, 116, 115



115, 121, 128

# 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, 116, 125



128, 116, 115



110, 116, 121

# Square

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



128, 116, 115



111, 119, 112



108, 115, 122



119, 118, 126

# Rectangle

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



128, 116, 115



121, 124, 110



108, 115, 122



112, 117, 127



# Sweetspot

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



128, 116, 115



166, 161, 161



128, 115, 127



84, 81, 81



212, 212, 212



84, 84, 84



# Same Dimension

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



128, 116, 115



166, 147, 146



126, 128, 115



64, 58, 57



128, 10, 0



0, 0, 0



# Inverse Universe

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



115, 121, 128



146, 155, 166



115, 119, 128



57, 60, 64



0, 61, 128



0, 0, 0



# Previews

## White Background



This preview shows how the RYB color 128, 116, 115 looks on a white background.

## Color Contrast Check

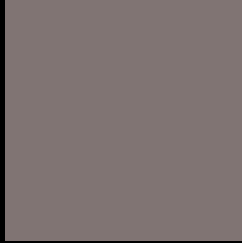
Large Text (above 18pt) WCAG AA ✓ Pass

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 128, 116, 115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

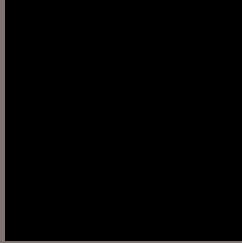
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 128, 116, 115 Background**



This preview shows how black text looks on a background with the RYB color 128, 116, 115.



This preview shows how white text looks on a background with the RYB color 128, 116, 115.

# 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


128, 116, 115

### Protanopia

121, 119, 116

### Deuteranopia

131, 115, 115



**Tritanopia**  
129, 115, 124

# Trichromacy



## Original Color

128, 116, 115

## Protanomaly

124, 117, 116

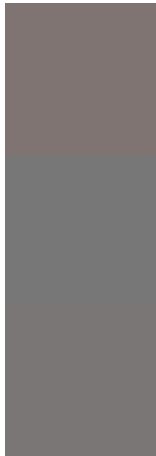
## Deuteranomaly

130, 115, 115

## Tritanomaly

129, 115, 121

# Monochromacy



## Original Color

128, 116, 115

## Achromatopsia

119, 119, 119

## Achromatomaly

122, 118, 118

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 128, 116, 115 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(128, 116, 115) looks like.

```
.text, #text, p{  
    color:rgb(128, 116, 115)  
}
```

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(128, 116, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 116, 115) }
```

## Border

The CSS property to change the border of an element to RYB 128, 116, 115 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(128, 116, 115) }
```

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

```
.border{ border-color:rgb(128, 116, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 116, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 116, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 116, 115);  
box-shadow:4px 4px 4px 4px rgb(128, 116,  
115) }
```

# Background

The CSS property to change the background color of an element to RYB 128, 116, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 116, 115) }
```

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

```
.background{ background-color: rgb(128,  
116, 115) }
```

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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