

Converting Colors

`RYB(159, 119, 104)`

Have a look what the booklet for
RYB(159, 119, 104) contains.

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Color

R_YB(159, 119, 104)

Conversions

Conversions Part 1

Format	Color
Hex	9F7468
RGB	159, 116, 104
RGB Percent	62%, 45%, 41%
CMY	0.3765, 0.5459, 0.5922
CMYK	0.00, 0.27, 0.35, 0.38
HSL	13°, 22%, 52%
HSV	13°, 35%, 62%
XYZ	23.0175, 20.8118, 15.9006
YIQ	127.4890, 29.4800, 5.3840

Conversions

Conversions Part 2

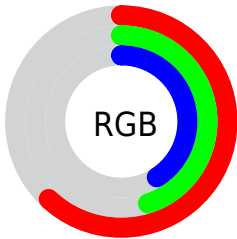
Format	Color
RYB	159, 119, 104
Decimal	10450024
CIELab	52.74, 15.35, 13.20
CIELCh	53, 20.247, 40.695
Yxy	20.8118, 0.3854, 0.3484
Android (android.graphics.Color)	4288640104 (0xFF9F7468)
YUV	127.4890, -11.5801, 27.6351
Hunter-Lab	45.6200, 10.2269, 11.2687

Details

The RYB color **159, 119, 104** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **104, 128, 159**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **215, 172, 155**, and **106, 71, 57** is the 20% darker color. If you saturate the color by 10%, you get **159, 107, 88**, and if you desaturate by 10%, it is **159, 130, 120**.

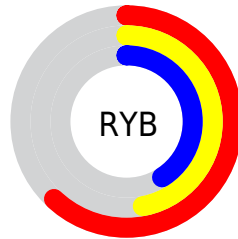
Distribution



Red (62%)

Green (45%)

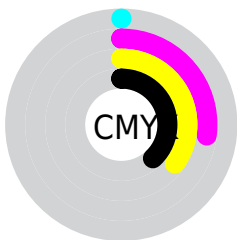
Blue (41%)



Red (62%)

Yellow (47%)

Blue (41%)

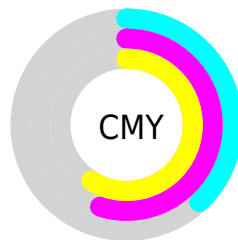


Cyan (0%)

Magenta (27%)

Yellow (35%)

Black (38%)



Cyan (38%)

Magenta (55%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 119, 104 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 159, 119, 104 by changing the saturation by 10% instead.

 159, 119, 104

255, 255, 255

 215, 172, 155

 244, 198, 182

 255, 228, 210

 242, 255, 238

 159, 119, 104

 159, 107, 88

 159, 96, 72

 159, 119, 104

 132, 94, 80

 106, 70, 57

 81, 48, 35

 56, 27, 14

 35, 0, 0

 0, 0, 0

 159, 119, 104

 159, 130, 120

 159, 142, 136

■ 159, 84, 56

■ 159, 153, 152

■ 159, 73, 40

■ 159, 163, 168

■ 159, 60, 25

■ 159, 170, 184

■ 159, 50, 9

■ 159, 177, 199

■ 159, 43, 0

■ 159, 184, 215

■ 159, 191, 231

■ 159, 198, 247

Harmonies

Analogous

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



161, 113, 120



159, 119, 104



149, 149, 93

Triad

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



159, 119, 104



93, 121, 135



113, 123, 160

Complementary

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



159, 119, 104



104, 128, 159

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.



90, 116, 158



159, 119, 104



78, 108, 136

Square

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



159, 119, 104



99, 132, 118



76, 108, 148



136, 119, 152

Rectangle

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



159, 119, 104



109, 138, 91



76, 108, 148



105, 121, 160

Sweetspot

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



159, 119, 104



207, 191, 186



159, 104, 148



105, 96, 92



232, 232, 232



105, 105, 105

Same Dimension

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



159, 119, 104



207, 143, 120



127, 159, 104



79, 74, 71



143, 40, 0



15, 4, 0

Inverse Universe

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



104, 128, 159



120, 158, 207



104, 117, 159



71, 74, 79



0, 63, 143



0, 7, 15

Previews

White Background



This preview shows how the RYB color 159, 119, 104 looks on a white background.

Color Contrast Check

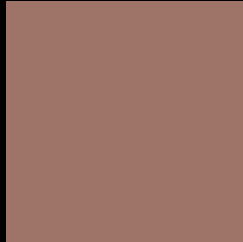
Large Text (above 18pt) WCAG AA ✓ Pass

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 159, 119, 104 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 159, 119, 104 Background



This preview shows how black text looks on a background with the RYB color 159, 119, 104.



This preview shows how white text looks on a background with the RYB color 159, 119, 104.

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


159, 119, 104

Protanopia

117, 132, 109

Deuteranopia

146, 134, 103



Tritanopia
161, 113, 122

Trichromacy



Original Color

159, 119, 104

Protanomaly

142, 133, 107

Deuteranomaly

151, 127, 103

Tritanomaly

160, 114, 115

Monochromacy



Original Color

159, 119, 104

Achromatopsia

127, 127, 127

Achromatomaly

139, 124, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 119, 104 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(159, 116, 104) looks like.

```
.text, #text, p{  
    color:rgb(159, 116, 104)  
}
```

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(159, 116, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 116, 104) }
```

Border

The CSS property to change the border of an element to RYB 159, 119, 104 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(159, 116, 104) }
```

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

```
.border{ border-color:rgb(159, 116, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 116, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 116, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 116, 104);  
box-shadow:4px 4px 4px 4px rgb(159, 116,  
104) }
```

Background

The CSS property to change the background color of an element to RYB 159, 119, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 116, 104) }
```

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

```
.background{ background-color: rgb(159,  
116, 104) }
```

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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