

Converting Colors

`RYB(204, 164, 158)`

Have a look what the booklet for
RYB(204, 164, 158) contains.

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Color

R_YB(204, 164, 158)

Conversions

Conversions Part 1

Format	Color
Hex	CCA39E
RGB	204, 163, 158
RGB Percent	80%, 64%, 62%
CMY	0.2000, 0.3596, 0.3804
CMYK	0.00, 0.20, 0.23, 0.20
HSL	7°, 31%, 71%
HSV	7°, 23%, 80%
XYZ	44.2253, 41.6098, 38.0483
YIQ	174.6890, 26.0410, 7.1370

Conversions

Conversions Part 2

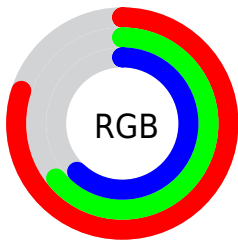
Format	Color
RYB	204, 164, 158
Decimal	13411230
CIELab	70.60, 14.17, 8.44
CIELCh	71, 16.492, 30.785
Yxy	41.6098, 0.3570, 0.3359
Android (android.graphics.Color)	4291601310 (0xFFCCA39E)
YUV	174.6890, -8.2277, 25.7057
Hunter-Lab	64.5056, 9.4953, 10.1821

Details

The RYB color **204, 164, 158** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **158, 180, 204**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **255, 219, 213**, and **149, 111, 107** is the 20% darker color. If you saturate the color by 10%, you get **204, 146, 138**, and if you desaturate by 10%, it is **204, 181, 178**.

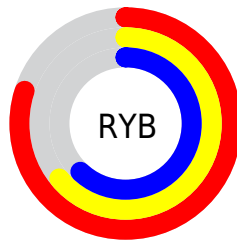
Distribution



Red (80%)

Green (64%)

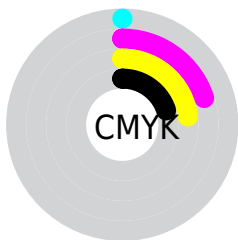
Blue (62%)



Red (80%)

Yellow (64%)

Blue (62%)

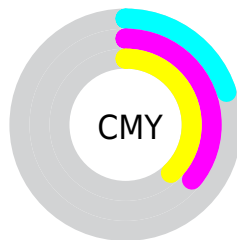


Cyan (0%)

Magenta (20%)

Yellow (23%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 164, 158 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 204, 164, 158 by changing the saturation by 10% instead.


 204, 164, 158

255, 255, 255

 255, 219, 213

 255, 252, 241

 204, 164, 158

 176, 138, 132

 149, 111, 107

 123, 87, 83


 97, 63, 60


 73, 41, 38


 49, 20, 17

 29, 0, 0

 0, 0, 0

 204, 164, 158


 204, 164, 158

 204, 146, 138

 204, 181, 178

 204, 128, 117

 204, 199, 199

 204, 111, 97

 204, 211, 219

 204, 93, 76

 204, 221, 240

 204, 75, 56

 204, 229, 255

 204, 57, 36

 204, 230, 255

 204, 40, 15

 204, 27, 0

Harmonies

Analogous

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



203, 162, 173



204, 164, 158



197, 180, 147

Triad

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



204, 164, 158



151, 174, 180



157, 169, 202

Complementary

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



204, 164, 158



158, 180, 204

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.



140, 163, 198



204, 164, 158



138, 162, 181

Square

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



204, 164, 158



147, 176, 155



133, 158, 187



176, 169, 198

Rectangle

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



204, 164, 158



175, 189, 143



133, 158, 187



150, 167, 202

Sweetspot

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



204, 164, 158



255, 239, 237



204, 158, 199



128, 118, 117



0, 0, 0



128, 128, 128

Same Dimension

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



204, 164, 158



255, 195, 186



188, 204, 158



102, 93, 92



166, 21, 0



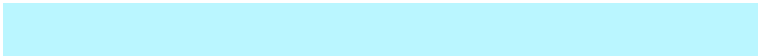
38, 4, 0

Inverse Universe

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



158, 180, 204



186, 218, 255



158, 171, 204



92, 97, 102



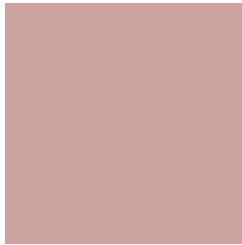
0, 78, 166



0, 18, 38

Previews

White Background



This preview shows how the RYB color 204, 164, 158 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 204, 164, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

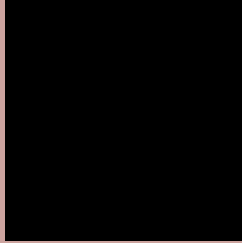
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYP 204, 164, 158 Background



This preview shows how black text looks on a background with the RYP color 204, 164, 158.



This preview shows how white text looks on a background with the RYP color 204, 164, 158.

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
204, 164, 158

Protanopia
173, 178, 163

Deuteranopia
195, 171, 157



Tritanopia
206, 161, 173

Trichromacy



Original Color

204, 164, 158

Protanomaly

187, 173, 161

Deuteranomaly

198, 169, 157

Tritanomaly

205, 162, 168

Monochromacy



Original Color

204, 164, 158

Achromatopsia

175, 175, 175

Achromatomaly

186, 171, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 164, 158 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(204, 163, 158) looks like.

```
.text, #text, p{  
    color:rgb(204, 163, 158)  
}
```

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(204, 163, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 163, 158) }
```

Border

The CSS property to change the border of an element to RYB 204, 164, 158 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(204, 163, 158) }
```

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

```
.border{ border-color:rgb(204, 163, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 163, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 163, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 163, 158);  
box-shadow:4px 4px 4px 4px rgb(204, 163,  
158) }
```

Background

The CSS property to change the background color of an element to RGB 204, 163, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 163, 158) }
```

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

```
.background{ background-color: rgb(204,  
163, 158) }
```

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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