

Converting Colors

`RYB(198, 164, 113)`

Have a look what the booklet for
RYB(198, 164, 113) contains.

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Color

R_YB(198, 164, 113)

Conversions

Conversions Part 1

Format	Color
Hex	C69171
RGB	198, 145, 113
RGB Percent	78%, 57%, 44%
CMY	0.2235, 0.4319, 0.5569
CMYK	0.00, 0.27, 0.43, 0.22
HSL	22°, 43%, 61%
HSV	22°, 43%, 78%
XYZ	36.3756, 33.4106, 20.1545
YIQ	157.1990, 41.8600, 1.2840

Conversions

Conversions Part 2

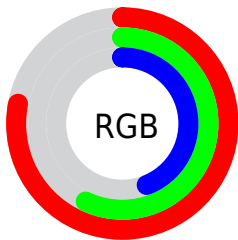
Format	Color
RYB	198, 164, 113
Decimal	13013361
CIELab	64.49, 16.07, 24.80
CIElCh	64, 29.549, 57.057
Yxy	33.4106, 0.4044, 0.3715
Android (android.graphics.Color)	4291203441 (0xFFC69171)
YUV	157.1990, -21.7901, 35.7825
Hunter-Lab	57.8019, 11.1794, 19.7880

Details

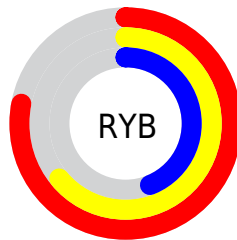
The RYB color **198, 164, 113** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **113, 146, 198**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **255, 220, 165**, and **142, 112, 65** is the 20% darker color. If you saturate the color by 10%, you get **198, 158, 93**, and if you desaturate by 10%, it is **198, 171, 133**.

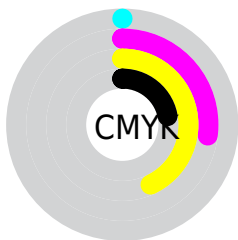
Distribution



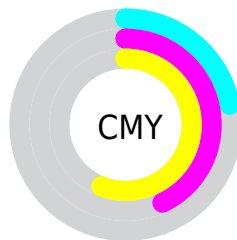
- Red (78%)
- Green (57%)
- Blue (44%)



- Red (78%)
- Yellow (64%)
- Blue (44%)



- Cyan (0%)
- Magenta (27%)
- Yellow (43%)
- Black (22%)



- Cyan (22%)
- Magenta (43%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 164, 113 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 198, 164, 113 by changing the saturation by 10% instead.

 198, 164, 113

255, 255, 255

 255, 220, 165

 242, 255, 192


 220, 255, 220

 249, 255, 249

 198, 164, 113

 170, 138, 88

 142, 112, 65

 115, 87, 42


 89, 66, 21

 64, 44, 0


 39, 3, 0


 0, 0, 0

 198, 164, 113

 198, 158, 93


 198, 164, 113


 198, 171, 133

 198, 148, 73


 198, 180, 153

 198, 140, 54

 198, 188, 172

 198, 131, 34

 198, 195, 192

 198, 124, 14

 198, 203, 212

 198, 118, 0

 198, 211, 232

 198, 219, 252

 198, 223, 255

 198, 227, 255

Harmonies

Analogous

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



209, 138, 134



198, 164, 113



138, 177, 104

Triad

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



198, 164, 113



89, 135, 171



156, 151, 203

Complementary

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



198, 164, 113



113, 146, 198

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.



117, 146, 209



198, 164, 113



69, 122, 179

Square

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



198, 164, 113



119, 161, 168



81, 131, 200



188, 142, 185

Rectangle

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



198, 164, 113



105, 160, 106



81, 131, 200



144, 153, 207

Sweetspot

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



198, 164, 113



255, 241, 222



198, 113, 167



128, 120, 107



0, 0, 0



128, 128, 128

Same Dimension

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



198, 164, 113



255, 202, 122



126, 198, 113



99, 95, 90



163, 97, 0



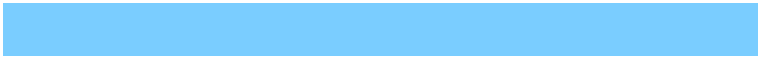
36, 20, 0

Inverse Universe

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



113, 146, 198



122, 173, 255



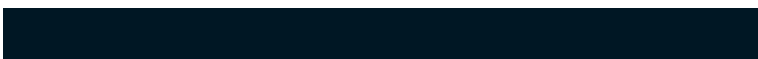
113, 123, 198



90, 94, 99



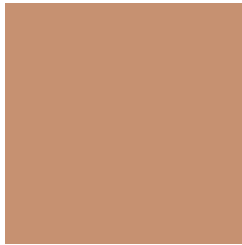
0, 63, 163



0, 14, 36

Previews

White Background



This preview shows how the RYB color 198, 164, 113 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 198, 164, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

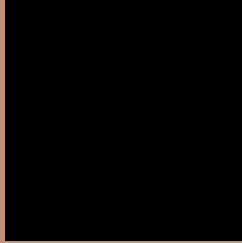
Any Text WCAG AA ✓ Pass

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](#).

R Y B 198, 164, 113 Background



This preview shows how black text looks on a background with the RYB color 198, 164, 113.



This preview shows how white text looks on a background with the RYB color 198, 164, 113.

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
198, 164, 113

Protanopia
134, 168, 118

Deuteranopia
182, 186, 112



Tritanopia
201, 140, 150

Trichromacy



Original Color

198, 164, 113

Protanomaly

163, 179, 116

Deuteranomaly

190, 179, 112

Tritanomaly

200, 142, 137

Monochromacy



Original Color

198, 164, 113

Achromatopsia

157, 157, 157

Achromatomaly

172, 161, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 164, 113 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(198, 145, 113)` looks like.

```
.text, #text, p{  
    color:rgb(198, 145, 113)  
}
```

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(198, 145, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 145, 113) }
```

Border

The CSS property to change the border of an element to RYB 198, 164, 113 is called "border". The border property can be set on classes, ids or directly on the HTML element.

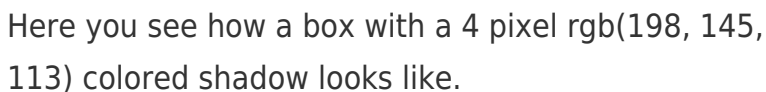
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 145, 113) }
```

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

```
.border{ border-color:rgb(198, 145, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 145, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 145, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 145, 113); box-shadow:4px 4px 4px 4px rgb(198, 145, 113) }
```

Background

The CSS property to change the background color of an element to RYB 198, 164, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 145, 113) }
```

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

```
.background{ background-color: rgb(198,  
145, 113) }
```

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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