

Converting Colors

`RYB(199, 166, 107)`

Have a look what the booklet for
RYB(199, 166, 107) contains.

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Color

R_YB(199, 166, 107)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C78F6B |
| RGB | 199, 143, 107 |
| RGB Percent | 78%, 56%, 42% |
| CMY | 0.2196, 0.4394, 0.5804 |
| CMYK | 0.00, 0.28, 0.46, 0.22 |
| HSL | 23°, 45%, 60% |
| HSV | 23°, 46%, 78% |
| XYZ | 36.0215, 32.8327, 18.3487 |
| YIQ | 155.6400, 44.9320, 0.6760 |

Conversions

Conversions Part 2

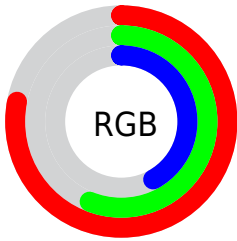
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 199, 166, 107 |
| Decimal | 13078379 |
| CIELab | 64.03, 16.90, 27.50 |
| CIELCh | 64, 32.281, 58.432 |
| Yxy | 32.8327, 0.4131, 0.3765 |
| Android (android.graphics.Color) | 4291268459 (0xFFC78F6B) |
| YUV | 155.6400, -23.9795, 38.0267 |
| Hunter-Lab | 57.2998, 11.9394, 21.1238 |

Details

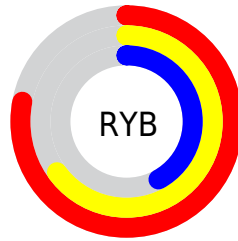
The RYB color **199, 166, 107** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **107, 142, 199**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **255, 222, 159**, and **143, 113, 59** is the 20% darker color. If you saturate the color by 10%, you get **199, 159, 87**, and if you desaturate by 10%, it is **199, 173, 127**.

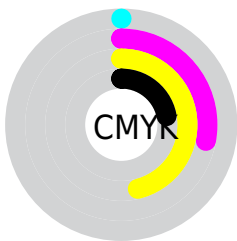
Distribution



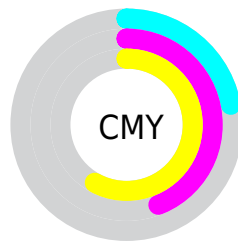
- Red (78%)
- Green (56%)
- Blue (42%)



- Red (78%)
- Yellow (65%)
- Blue (42%)



- Cyan (0%)
- Magenta (28%)
- Yellow (46%)
- Black (22%)



- Cyan (22%)
- Magenta (44%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 166, 107 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 199, 166, 107 by changing the saturation by 10% instead.

 199, 166, 107


255, 255, 255


 255, 222, 159


 239, 255, 186


 215, 255, 214

 242, 255, 242

 199, 166, 107

 171, 140, 82

 143, 113, 59

 115, 91, 37

 89, 68, 15

 64, 41, 0


 39, 1, 0

 0, 0, 0

 199, 166, 107

 199, 159, 87

 199, 166, 107

 199, 173, 127

199, 153, 67

199, 180, 147

199, 146, 47

199, 186, 167

199, 137, 27

199, 193, 187

199, 129, 8

199, 202, 207

199, 128, 0

199, 209, 226

199, 217, 246

199, 223, 255

199, 226, 255

Harmonies

Analogous

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



211, 135, 129



199, 166, 107



129, 176, 97

Triad

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



199, 166, 107



77, 129, 171



157, 148, 206

Complementary

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



199, 166, 107



107, 142, 199

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.



113, 144, 212



199, 166, 107



50, 113, 182

Square

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



199, 166, 107



112, 158, 168



68, 125, 203



190, 139, 186

Rectangle

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



199, 166, 107



100, 159, 102



68, 125, 203



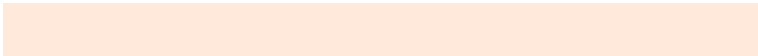
143, 151, 210

Sweetspot

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



199, 166, 107



255, 242, 219



199, 107, 164



128, 119, 106



0, 0, 0



128, 128, 128

Same Dimension

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



199, 166, 107



255, 206, 115



119, 199, 107



99, 95, 90



163, 105, 0



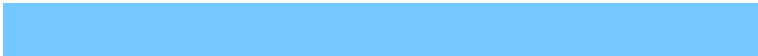
36, 23, 0

Inverse Universe

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



107, 142, 199



115, 168, 255



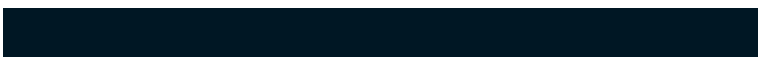
107, 117, 199



90, 94, 99



0, 62, 163



0, 14, 36

Previews

White Background



This preview shows how the RYB color 199, 166, 107 looks on a white background.

Color Contrast Check

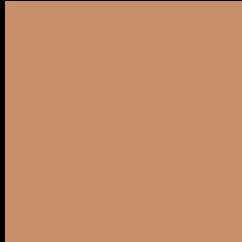
Large Text (above 18pt) WCAG AA × Fail

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 199, 166, 107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

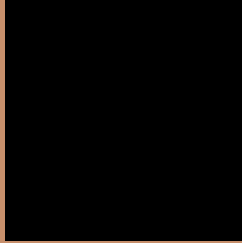
Any Text WCAG AA ✓ Pass

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](#).

RYB 199, 166, 107 Background



This preview shows how black text looks on a background with the RYB color 199, 166, 107.



This preview shows how white text looks on a background with the RYB color 199, 166, 107.

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
199, 166, 107

Protanopia
127, 167, 112

Deuteranopia
175, 186, 106



Tritanopia
203, 138, 148

Trichromacy



Original Color
199, 166, 107

Protanomaly
157, 179, 110

Deuteranomaly
191, 185, 106

Tritanomaly
202, 141, 133

Monochromacy



Original Color
199, 166, 107

Achromatopsia
156, 156, 156

Achromatomaly
172, 159, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 166, 107 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(199, 143, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 143, 107)  
}
```

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(199, 143, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 143, 107) }
```

Border

The CSS property to change the border of an element to RYB 199, 166, 107 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(199, 143, 107) }
```

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

```
.border{ border-color:rgb(199, 143, 107) }
```

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

Here you see how a box with a 4 pixel rgb(199, 143, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 143, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 143, 107);  
box-shadow:4px 4px 4px 4px rgb(199, 143,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 199, 166, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 143, 107) }
```

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

```
.background{ background-color: rgb(199,  
143, 107) }
```

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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