

Converting Colors

`RYB(204, 153, 102)`

Have a look what the booklet for
RYB(204, 153, 102) contains.

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Color

$\text{RYB}(204, 153, 102)$

Conversions

Conversions Part 1

Format	Color
Hex	CC8866
RGB	204, 136, 102
RGB Percent	80%, 53%, 40%
CMY	0.2000, 0.4667, 0.6000
CMYK	0.00, 0.33, 0.50, 0.20
HSL	20°, 50%, 60%
HSV	20°, 50%, 80%
XYZ	36.1043, 31.4050, 16.7292
YIQ	152.4560, 51.4420, 3.8420

Conversions

Conversions Part 2

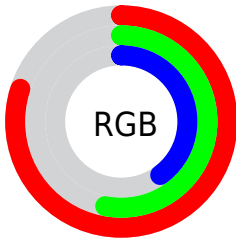
Format	Color
R_{YB}	204, 153, 102
Decimal	13404262
CIE Lab	62.85, 22.25, 28.83
CIE LCh	63, 36.414, 52.336
Yxy	31.4050, 0.4286, 0.3728
Android (android.graphics.Color)	4291594342 (0xFFCC8866)
YUV	152.4560, -24.8748, 45.2041
Hunter-Lab	56.0402, 16.9296, 21.5287

Details

The RYB color **204, 153, 102** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **102, 143, 204**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **255, 211, 153**, and **147, 103, 54** is the 20% darker color. If you saturate the color by 10%, you get **204, 142, 82**, and if you desaturate by 10%, it is **204, 165, 122**.

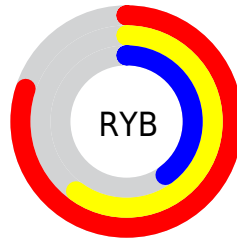
Distribution



Red (80%)

Green (53%)

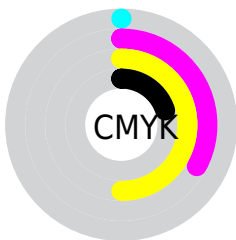
Blue (40%)



Red (80%)

Yellow (60%)

Blue (40%)

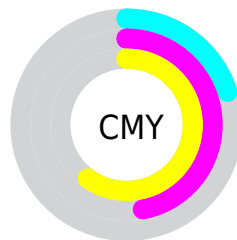


Cyan (0%)

Magenta (33%)

Yellow (50%)

Black (20%)



Cyan (20%)


Magenta (47%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 153, 102 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, 153, 102 by changing the saturation by 10% instead.

 204, 153, 102

255, 255, 255


 255, 211, 153

 253, 255, 180

 219, 255, 208

 236, 255, 236

 204, 153, 102


 204, 142, 82

 204, 153, 102

 175, 126, 78

 147, 103, 54

 119, 78, 32


 92, 55, 10


 66, 23, 0

 41, 0, 0


 0, 0, 0

 204, 153, 102


 204, 165, 122

 204, 133, 61

 204, 173, 143

 204, 122, 41

 204, 184, 163

 204, 114, 20

 204, 193, 184

 204, 102, 0

 204, 204, 204

 204, 212, 224

 204, 220, 245

 204, 227, 255

 204, 230, 255

Harmonies

Analogous

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



215, 128, 129



204, 153, 102



139, 180, 88

Triad

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



204, 153, 102



66, 125, 169



143, 147, 212

Complementary

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



204, 153, 102



102, 143, 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.



88, 133, 216



204, 153, 102



0, 86, 176

Square

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



204, 153, 102



111, 165, 165



10, 96, 202



185, 135, 192

Rectangle

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



204, 153, 102



95, 160, 88



10, 96, 202



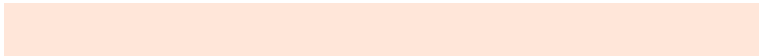
126, 146, 215

Sweetspot

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



204, 153, 102



255, 237, 217



204, 102, 170



128, 115, 105



0, 0, 0



128, 128, 128

Same Dimension

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



204, 153, 102



255, 179, 102



122, 204, 102



102, 96, 92



166, 82, 0



38, 20, 0

Inverse Universe

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



102, 143, 204



102, 163, 255



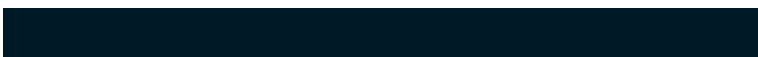
102, 117, 204



92, 96, 102



0, 66, 166



0, 15, 38

Previews

White Background



This preview shows how the RYB color 204, 153, 102 looks on a white background.

Color Contrast Check

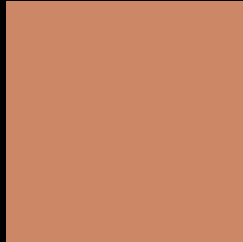
Large Text (above 18pt) WCAG AA × Fail

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, 153, 102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

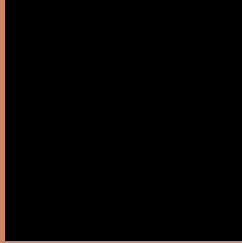
Any Text WCAG AA ✓ Pass

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 204, 153, 102 Background



This preview shows how black text looks on a background with the RYB color 204, 153, 102.

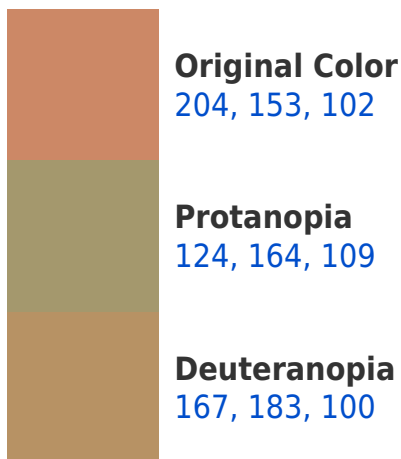



This preview shows how white text looks on a background with the RYB color 204, 153, 102.

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





Tritanopia
207, 131, 141

Trichromacy



Original Color
204, 153, 102

Protanomaly
166, 179, 106

Deuteranomaly
191, 176, 101

Tritanomaly
206, 133, 127

Monochromacy



Original Color
204, 153, 102

Achromatopsia
152, 152, 152

Achromatomaly
171, 152, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 153, 102 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, 136, 102) looks like.

```
.text, #text, p{  
    color:rgb(204, 136, 102)  
}
```

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, 136, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 136, 102) }
```

Border

The CSS property to change the border of an element to RYB 204, 153, 102 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, 136, 102) }
```

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

```
.border{ border-color:rgb(204, 136, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 136, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 136, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 136, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 136,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 204, 136, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 136, 102) }
```

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

```
.background{ background-color: rgb(204,  
136, 102) }
```

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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