

# Converting Colors

RGB(204, 165, 106)

Have a look what the booklet for  
RGB(204, 165, 106) contains.

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# **Color**

**RGB(204, 165, 106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCA56A
RGB	204, 165, 106
RGB Percent	80%, 65%, 42%
CMY	0.2000, 0.3529, 0.5843
CMYK	0.00, 0.19, 0.48, 0.20
HSL	36°, 49%, 61%
HSV	36°, 48%, 80%
XYZ	40.9585, 40.7882, 19.3498
YIQ	169.9350, 42.1830, -10.0810

# Conversions

## Conversions Part 2

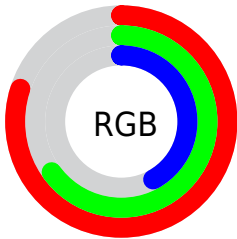
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 204, 106
Decimal	13411690
CIELab	70.03, 6.86, 35.88
CIELCh	70, 36.528, 79.182
Yxy	40.7882, 0.4051, 0.4035
Android (android.graphics.Color)	4291601770 (0xFFCCA56A)
YUV	169.9350, -31.5200, 29.8750
Hunter-Lab	63.8657, 2.7111, 26.7425

# Details

The RGB color **204, 165, 106** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **106, 145, 204**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **255, 220, 158**, and **148, 113, 57** is the 20% darker color. If you saturate the color by 10%, you get **204, 157, 86**, and if you desaturate by 10%, it is **204, 173, 126**.

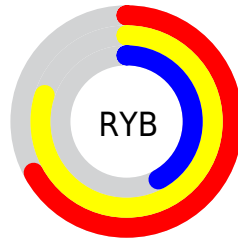
# Distribution



Red (80%)

Green (65%)

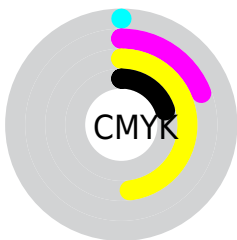
Blue (42%)



Red (67%)

Yellow (80%)

Blue (42%)

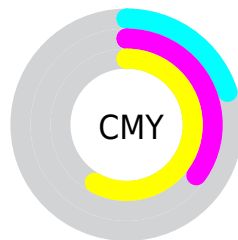


Cyan (0%)

Magenta (19%)

Yellow (48%)

Black (20%)



Cyan (20%)

Magenta (35%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 204, 165, 106 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 RGB color 204, 165, 106 by changing the saturation by 10% instead.



 204, 165, 106

 204, 165, 106

255, 255, 255

 175, 139, 81

 255, 220, 158

 148, 113, 57

 255, 248, 185

 120, 89, 34

 255, 255, 213

 94, 66, 9


 255, 255, 242


 69, 44, 0

 43, 23, 0

 17, 0, 0


 0, 0, 0

 204, 165, 106


 204, 165, 106


 204, 157, 86

 204, 173, 126

 204, 149, 65

 204, 181, 147

 204, 141, 45

 204, 189, 167

 204, 133, 24

 204, 197, 188

 204, 124, 4

 204, 206, 208

 204, 123, 0

 204, 214, 228

 204, 222, 249

 204, 230, 255

 204, 238, 255

# Harmonies

## Analogous

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



227, 154, 122



204, 165, 106



172, 176, 108

# Triad

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



204, 165, 106



49, 189, 192



201, 155, 215

# Complementary

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



204, 165, 106



106, 145, 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.



158, 167, 234



204, 165, 106



50, 186, 220

# Square

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



204, 165, 106



92, 188, 158



103, 178, 236



228, 147, 185

# Rectangle

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



204, 165, 106



147, 182, 119



103, 178, 236



188, 159, 223

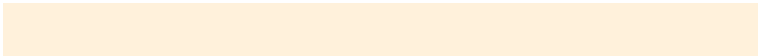


# Sweetspot

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



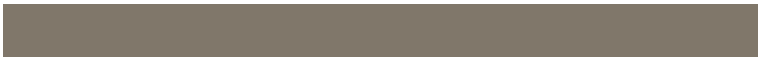
204, 165, 106



255, 241, 219



204, 106, 145



128, 119, 106



0, 0, 0



128, 128, 128



# Same Dimension

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



204, 165, 106



255, 196, 107



194, 204, 106



102, 98, 92



166, 100, 0



38, 23, 0

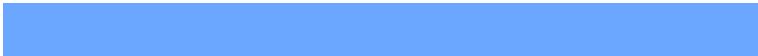


# Inverse Universe

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



106, 145, 204



107, 166, 255



116, 106, 204



92, 96, 102



0, 66, 166



0, 15, 38



# Previews

## White Background



This preview shows how the RGB color 204, 165, 106 looks on a white background.

## Color Contrast Check

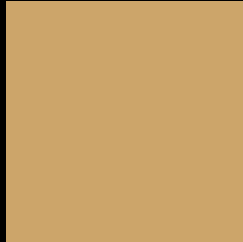
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 204, 165, 106 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](#).



## RGB 204, 165, 106 Background



This preview shows how black text looks on a background with the RGB color 204, 165, 106.



This preview shows how white text looks on a background with the RGB color 204, 165, 106.

# 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, 165, 106

**Protanopia**  
187, 171, 108

**Deuteranopia**  
207, 164, 106



**Tritanopia**  
210, 157, 169

# Trichromacy



**Original Color**

204, 165, 106

**Protanomaly**

193, 169, 107

**Deuteranomaly**

206, 164, 106

**Tritanomaly**

208, 160, 146

# Monochromacy



**Original Color**

204, 165, 106

**Achromatopsia**

170, 170, 170

**Achromatomaly**

182, 168, 147

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 204, 165, 106 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, 165, 106)` looks like.

```
.text, #text, p{  
    color:rgb(204, 165, 106)  
}
```

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, 165, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 165, 106) }
```

## Border

The CSS property to change the border of an element to RGB 204, 165, 106 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, 165, 106) }
```

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

```
.border{ border-color:rgb(204, 165, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 165, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 165, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 165, 106);  
box-shadow:4px 4px 4px 4px rgb(204, 165,  
106) }
```

# Background

The CSS property to change the background color of an element to RGB 204, 165, 106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 165, 106) }
```

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

```
.background{ background-color: rgb(204,  
165, 106) }
```

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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