

Converting Colors

RGB(216, 163, 99)

Have a look what the booklet for
RGB(216, 163, 99) contains.

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Color

RGB(216, 163, 99)

Conversions

Conversions Part 1

Format	Color
Hex	D8A363
RGB	216, 163, 99
RGB Percent	85%, 64%, 39%
CMY	0.1529, 0.3608, 0.6118
CMYK	0.00, 0.25, 0.54, 0.15
HSL	33°, 60%, 62%
HSV	33°, 54%, 85%
XYZ	43.6682, 41.6942, 17.5506
YIQ	171.5510, 52.1320, -8.6680

Conversions

Conversions Part 2

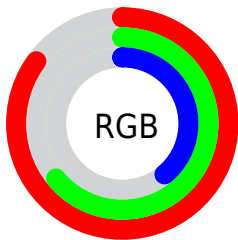
Format	Color
RYB	196, 216, 99
Decimal	14197603
CIELab	70.66, 12.28, 40.57
CIELCh	71, 42.387, 73.156
Yxy	41.6942, 0.4243, 0.4051
Android (android.graphics.Color)	4292387683 (0xFFD8A363)
YUV	171.5510, -35.7676, 38.9818
Hunter-Lab	64.5710, 7.7171, 29.0845

Details

The RGB color **216, 163, 99** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **99, 152, 216**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **255, 218, 151**, and **158, 111, 50** is the 20% darker color. If you saturate the color by 10%, you get **216, 153, 77**, and if you desaturate by 10%, it is **216, 173, 121**.

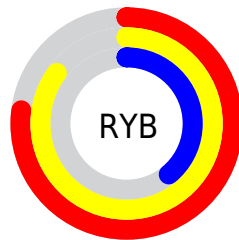
Distribution



Red (85%)

Green (64%)

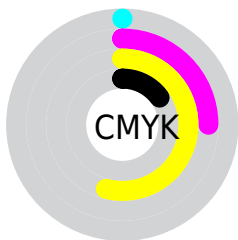
Blue (39%)



Red (77%)

Yellow (85%)

Blue (39%)

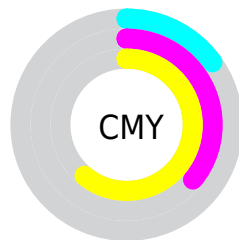


Cyan (0%)

Magenta (25%)

Yellow (54%)

Black (15%)



Cyan (15%)
















Magenta (36%)


Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RGB color 216, 163, 99 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 216, 163, 99 by changing the saturation by 10% instead.

 216, 163, 99	 216, 163, 99
 255, 255, 255	 187, 137, 74
 255, 218, 151	 158, 111, 50
 255, 246, 178	 130, 87, 26
 255, 255, 206	 103, 64, 0
 255, 255, 234	 76, 42, 0
	 50, 21, 0
	 27, 0, 0
	 0, 0, 0

 216, 163, 99  216, 163, 99

216, 153, 77

216, 173, 121

216, 143, 56

216, 183, 142

216, 134, 34

216, 192, 164

216, 124, 13

216, 202, 185

216, 118, 0

216, 212, 207

216, 222, 229

216, 231, 250

216, 241, 255

216, 251, 255

Harmonies

Analogous

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



240, 150, 122



216, 163, 99



181, 176, 96

Triad

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



216, 163, 99



0, 193, 189



199, 156, 229

Complementary

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



216, 163, 99



99, 152, 216

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.



143, 171, 248



216, 163, 99



0, 190, 224

Square

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



216, 163, 99



86, 192, 149



67, 183, 246



234, 145, 196

Rectangle

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



216, 163, 99



153, 183, 107



67, 183, 246



182, 161, 237

Sweetspot

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



216, 163, 99



255, 237, 214



216, 99, 154



128, 117, 103



0, 0, 0



128, 128, 128

Same Dimension

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



216, 163, 99



255, 180, 89



212, 216, 99



107, 102, 96



171, 93, 0



43, 24, 0

Inverse Universe

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



99, 152, 216



89, 164, 255



103, 99, 216



96, 101, 107



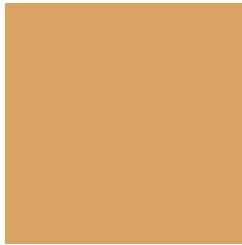
0, 77, 171



0, 20, 43

Previews

White Background



This preview shows how the RGB color 216, 163, 99 looks on a white background.

Color Contrast Check

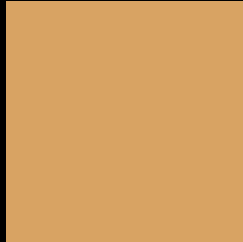
Large Text (above 18pt) WCAG AA × Fail

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 216, 163, 99 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

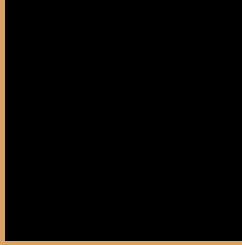
Any Text WCAG AA ✓ Pass

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 216, 163, 99 Background



This preview shows how black text looks on a background with the RGB color 216, 163, 99.



This preview shows how white text looks on a background with the RGB color 216, 163, 99.

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
216, 163, 99

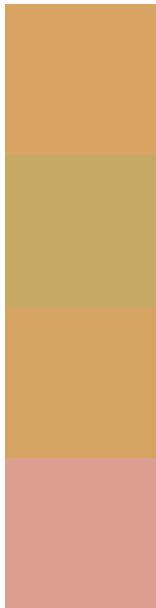
Protanopia
190, 173, 103

Deuteranopia
211, 165, 99



Tritanopia
222, 155, 167

Trichromacy



Original Color
216, 163, 99

Protanomaly
199, 169, 102

Deuteranomaly
213, 164, 99

Tritanomaly
220, 158, 142

Monochromacy



Original Color
216, 163, 99

Achromatopsia
172, 172, 172

Achromatomaly
188, 169, 145

CSS Examples

Text

The CSS property to change the color of the text to RGB 216, 163, 99 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(216, 163, 99)` looks like.

```
.text, #text, p{  
    color:rgb(216, 163, 99)  
}
```

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(216, 163, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 163, 99) }
```

Border

The CSS property to change the border of an element to RGB 216, 163, 99 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(216, 163, 99) }
```

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

```
.border{ border-color:rgb(216, 163, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 163, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 163, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 163, 99);  
box-shadow:4px 4px 4px 4px rgb(216, 163,  
99) }
```

Background

The CSS property to change the background color of an element to RGB 216, 163, 99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 163, 99) }
```

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

```
.background{ background-color: rgb(216,  
163, 99) }
```

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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