

# Converting Colors

XYZ(36.7148, 32.6260, 16.9327)

Have a look what the booklet for  
XYZ(36.7148, 32.6260, 16.9327)  
contains.

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# Color

**XYZ(36.6782, 32.5528,  
16.9205)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC8C66
RGB	204, 140, 102
RGB Percent	80%, 55%, 40%
CMY	0.2000, 0.4510, 0.6000
CMYK	0.00, 0.31, 0.50, 0.20
HSL	22°, 50%, 60%
HSV	22°, 50%, 80%
XYZ	36.6782, 32.5528, 16.9205
YIQ	154.8040, 50.3420, 1.7500

# Conversions

## Conversions Part 2

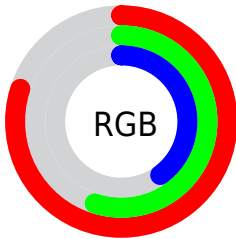
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 163, 102
Decimal	13405286
CIE Lab	63.80, 20.07, 30.06
CIE LCh	64, 36.139, 56.269
Yxy	32.5528, 0.4257, 0.3779
Android (android.graphics.Color)	4291595366 (0xFFCC8C66)
YUV	154.8040, -26.0324, 43.1449
Hunter-Lab	57.0551, 14.9035, 22.3552

# Details

The XYZ color **36.6782, 32.5528, 16.9205** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **30.0142, 34.4554, 62.1953**, and the grayscale version is **31.1656, 32.7886, 35.7068**.

A 20% lighter version of the original color is **66.2816, 62.1435, 38.6385**, and **16.3546, 13.7817, 5.2882** is the 20% darker color. If you saturate the color by 10%, you get **34.0257, 28.6726, 11.6443**, and if you desaturate by 10%, it is **39.7988, 36.9709, 23.5814**.

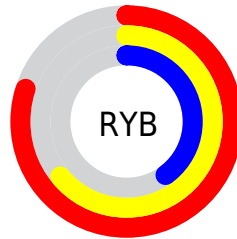
# Distribution



Red (80%)

Green (55%)

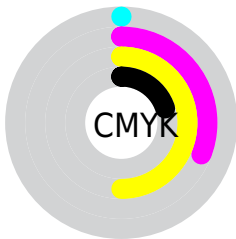
Blue (40%)



Red (80%)

Yellow (64%)

Blue (40%)

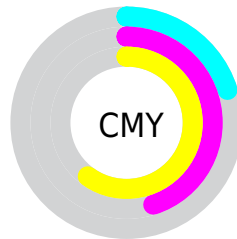


Cyan (0%)

Magenta (31%)

Yellow (50%)

Black (20%)



Cyan (20%)

Magenta (45%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6782, 32.5528, 16.9205 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 XYZ color 36.6782, 32.5528, 16.9205 by changing the saturation by 10% instead.





 36.6782, 32.5528,  
16.9205


 36.6782, 32.5528,  
16.9205


323.2950,  
313.6298, 246.7422


 25.1310, 21.7841,  
10.0165


 69.3946, 63.6767,  
38.9778

 16.3039, 13.6983,  
5.3041


 91.2945, 84.8007,  
54.9682

 9.8317, 7.9112,  
2.3649


 117.3760,  
110.1452, 74.8244

 5.3489, 4.0381,  
0.7673

 148.0045,  
140.0947, 98.9650

 2.4902, 1.6949,  
0.0000

183.5453,  
175.0335, 127.8086

 0.8903, 0.4204,  
0.0000

224.3637,

 0.0000, 0.0000,

215.3460, 161.7736

0.0000

270.8251,  
261.4166, 201.2786

■ 36.6782, 32.5528,  
16.9205

■ 36.6782, 32.5528,  
16.9205

■ 34.0257, 28.6726,  
11.6443

■ 39.7988, 36.9709,  
23.5814

■ 31.8129, 25.3031,  
7.6506

■ 43.4089, 41.9430,  
31.7156

■ 30.0115, 22.4219,  
4.8258


■ 47.5313, 47.4901,  
41.4063


■ 28.5882, 20.0023,  
3.0348


■ 52.1866, 53.6309,  
52.7298


■ 27.4869, 18.0076,  
2.0271


■ 57.3941, 60.3831,  
65.7576

 27.4869, 18.0075,  
2.0271

 63.1721, 67.7635,  
80.5567

 69.5382, 75.7884,  
97.1907

 74.8225, 83.7988,  
106.8390

 78.7118, 91.5774,  
108.1354

# Harmonies

## Analogous

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



40.5358, 32.5528, 24.4641



36.6782, 32.5528, 16.9205



31.5794, 32.5528, 14.2400

# Triad

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



36.6782, 32.5528, 16.9205



22.1932, 32.5528, 33.6578



35.4607, 32.5528, 66.8537

# Complementary

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



36.6782, 32.5528, 16.9205



30.0142, 34.4554, 62.1953

# 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.



30.3101, 32.5528, 71.2602



36.6782, 32.5528, 16.9205



22.9931, 32.5528, 49.2991

# Square

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



36.6782, 32.5528, 16.9205



23.5177, 32.5528, 22.0868



25.8347, 32.5528, 64.1173



39.7807, 32.5528, 53.3267



# Rectangle

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



36.6782, 32.5528, 16.9205



28.2879, 32.5528, 14.8246



25.8347, 32.5528, 64.1173



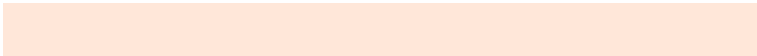
33.7539, 32.5528, 69.5862

# Sweetspot

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



36.6790, 32.5544, 16.9211



82.3083, 83.4095, 77.2368



36.5915, 25.1156, 39.2850



17.2702, 17.3940, 15.6908



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



36.6790, 32.5544, 16.9211



56.0376, 47.0179, 18.6922



45.8004, 50.7971, 19.9616



11.5490, 11.8870, 11.7652



17.3830, 11.4989, 1.3033



0.9690, 0.7377, 0.0913



# Inverse Universe

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



30.0142, 34.4554, 62.1953



43.7220, 50.4298, 102.0373



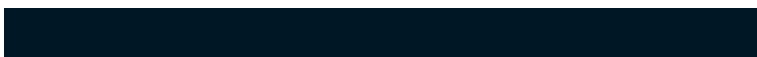
22.5782, 19.5835, 59.7167



11.1783, 11.9971, 14.2969



11.8096, 12.6431, 37.7742



0.6805, 0.7948, 1.9725



# Previews

## White Background



This preview shows how the XYZ color 36.6782, 32.5528, 16.9205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

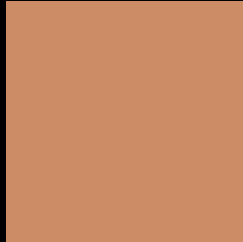
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6782, 32.5528, 16.9205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

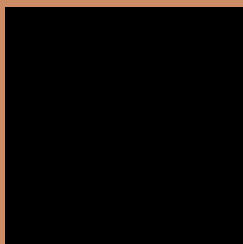
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.6782, 32.5528, 16.9205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6782, 32.5528, 16.9205.



This preview shows how white text looks on a background with the XYZ color 36.6782, 32.5528,



# 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**

36.6782, 32.5528, 16.9205

**Protanopia**

30.3645, 32.7409, 18.9066

**Deuteranopia**

33.1399, 32.5390, 16.5906



## Tritanopia

39.6484, 32.5044, 30.9723

# Trichromacy



## Original Color

36.6782, 32.5528, 16.9205

## Protanomaly

32.3303, 32.5566, 18.2157

## Deuteranomaly

34.4667, 32.5278, 16.7738

## Tritanomaly

38.4987, 32.4587, 25.0049

# Monochromacy



## Original Color

36.6782, 32.5528, 16.9205

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

32.5839, 32.4745, 27.8434

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6782, 32.5528, 16.9205 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, 140, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 140, 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, 140, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 140, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6782, 32.5528, 16.9205 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, 140, 102) }
```



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

```
.border{ border-color:rgb(204, 140, 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, 140, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 140, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 140, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 140,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6782, 32.5528, 16.9205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 140, 102) }
```

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

```
.background{ background-color: rgb(204,  
140, 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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