

Converting Colors

XYZ(36.8948, 32.4067, 18.7786)

Have a look what the booklet for
XYZ(36.8948, 32.4067, 18.7786)
contains.

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Color

**XYZ(36.8948, 32.4067,
18.7786)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8B6D
RGB	204, 139, 109
RGB Percent	80%, 55%, 43%
CMY	0.2000, 0.4549, 0.5725
CMYK	0.00, 0.32, 0.47, 0.20
HSL	19°, 48%, 61%
HSV	19°, 47%, 80%
XYZ	36.8948, 32.4067, 18.7786
YIQ	155.0150, 48.3700, 4.4500

Conversions

Conversions Part 2

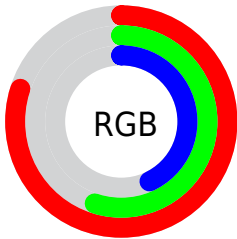
Format	Color
R_{YB}	204, 153, 109
Decimal	13405037
CIE _{Lab}	63.68, 21.30, 26.05
CIE _{LCh}	64, 33.648, 50.730
Yxy	32.4067, 0.4189, 0.3679
Android (android.graphics.Color)	4291595117 (0xFFCC8B6D)
YUV	155.0150, -22.6854, 42.9598
Hunter-Lab	56.9269, 16.0653, 20.2907

Details

The XYZ color **36.8948, 32.4067, 18.7786** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **32.3412, 37.8815, 62.7340**, and the grayscale version is **31.2453, 32.8725, 35.7981**.

A 20% lighter version of the original color is **66.7430, 61.9731, 42.1625**, and **16.4473, 13.6847, 6.1894** is the 20% darker color. If you saturate the color by 10%, you get **34.0280, 28.2314, 13.0194**, and if you desaturate by 10%, it is **40.2761, 37.2032, 25.9672**.

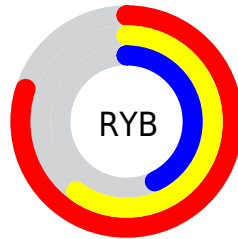
Distribution



Red (80%)

Green (55%)

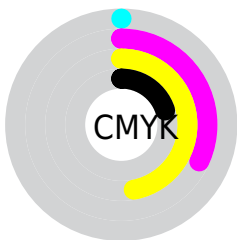
Blue (43%)



Red (80%)

Yellow (60%)

Blue (43%)

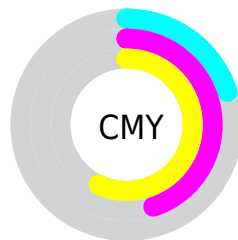


Cyan (0%)

Magenta (32%)

Yellow (47%)

Black (20%)



Cyan (20%)


Magenta (45%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8948, 32.4067, 18.7786 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 36.8948, 32.4067, 18.7786 by changing the saturation by 10% instead.


 36.8948, 32.4067,
18.7786

 36.8948, 32.4067,
18.7786


324.2183,
312.9678, 257.6056

 25.2994, 21.6723,
11.3352


 69.7258, 63.4481,
42.1914


 16.4301, 13.6163,
6.1758


 91.6921, 84.5240,
58.9978

 9.9218, 7.8543,
2.8817


 117.8461,
109.8158, 79.7624

 5.4090, 4.0019,
1.0346

 148.5531,
139.7079, 104.9036

 2.5264, 1.6746,
0.0000

184.1784,
174.5848, 134.8400

 0.9086, 0.4071,
0.0000

225.0875,

 0.0000, 0.0000,

214.8308, 169.9901

0.0000

271.6457,
260.8303, 210.7724

■ 36.8948, 32.4067,
18.7786

■ 36.8948, 32.4067,
18.7786

■ 34.0280, 28.2314,
13.0194

■ 40.2761, 37.2032,
25.9672

■ 31.6458, 24.6460,
8.5904

■ 44.1948, 42.6408,
34.6716

■ 29.7184, 21.6234,
5.3823


■ 48.6753, 48.7447,
44.9734


■ 28.2112, 19.1321,
3.2674

■ 53.7397, 55.5369,
56.9479


■ 27.0819, 17.1361,
2.0813


■ 59.4089, 63.0386,
70.6654

 26.7596, 16.5529,
1.7846

 65.7026, 71.2699,
86.1925

 72.6396, 80.2502,
103.5919

 77.3432, 88.8401,
107.6792

 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.



40.0682, 32.4067, 26.8807



36.8948, 32.4067, 18.7786



32.2831, 32.4067, 15.3837

Triad

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



36.8948, 32.4067, 18.7786



22.7028, 32.4067, 31.2712



34.1184, 32.4067, 65.5135

Complementary

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



36.8948, 32.4067, 18.7786



32.3412, 37.8815, 62.7340

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.



29.3661, 32.4067, 67.5585



36.8948, 32.4067, 18.7786



23.0867, 32.4067, 45.2813

Square

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



36.8948, 32.4067, 18.7786



24.3111, 32.4067, 21.2866



25.4191, 32.4067, 59.4043



38.3553, 32.4067, 54.3730

Rectangle

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



36.8948, 32.4067, 18.7786



29.1467, 32.4067, 15.4497



25.4191, 32.4067, 59.4043



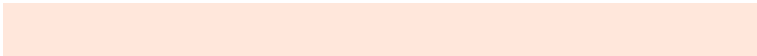
32.5180, 32.4067, 67.3818

Sweetspot

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



36.8956, 32.4083, 18.7792



82.5229, 83.3047, 78.9551



38.1577, 26.8898, 43.9947



17.2879, 17.3244, 16.0208



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.



36.8956, 32.4083, 18.7792



56.2838, 46.6503, 21.4256



45.0112, 48.6395, 21.4844



11.4967, 11.7823, 11.7477



16.9172, 10.5673, 1.1481



0.9410, 0.6817, 0.0820

Inverse Universe

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



32.3412, 37.8815, 62.7340



47.7792, 56.7211, 103.0378



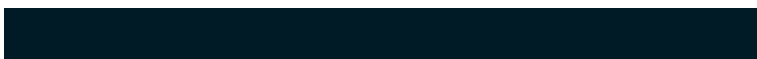
24.9253, 23.0496, 60.2620



11.2328, 12.1061, 14.3150



12.8099, 14.6438, 38.1077



0.7271, 0.8879, 1.9880

Previews

White Background



This preview shows how the XYZ color 36.8948, 32.4067, 18.7786 looks on a white background.

Color Contrast Check

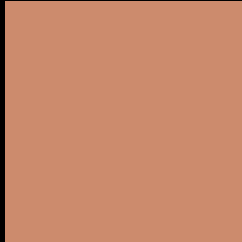
Large Text (above 18pt) WCAG AA × Fail

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 36.8948, 32.4067, 18.7786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

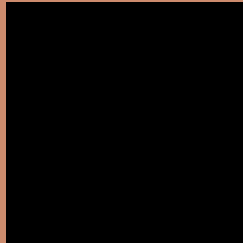
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8948, 32.4067, 18.7786

Background



This preview shows how black text looks on a background with the XYZ color 36.8948, 32.4067, 18.7786.



This preview shows how white text looks on a background with the XYZ color 36.8948, 32.4067,

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

36.8948, 32.4067, 18.7786

Protanopia

30.4339, 32.4791, 21.1881

Deuteranopia

33.0109, 32.4317, 18.4300



Tritanopia

39.2913, 32.3292, 30.5548

Trichromacy



Original Color

36.8948, 32.4067, 18.7786

Protanomaly

32.5505, 32.3904, 20.1592

Deuteranomaly

34.3180, 32.4099, 18.6343

Tritanomaly

38.3545, 32.3688, 25.6990

Monochromacy



Original Color

36.8948, 32.4067, 18.7786

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.5685, 32.2141, 28.5462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8948, 32.4067, 18.7786 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, 139, 109)` looks like.

```
.text, #text, p{  
    color:rgb(204, 139, 109)  
}
```

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, 139, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 139, 109) }
```

Border

The CSS property to change the border of an element to XYZ 36.8948, 32.4067, 18.7786 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, 139, 109) }
```


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

```
.border{ border-color:rgb(204, 139, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 139, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 139, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 139, 109);  
box-shadow:4px 4px 4px 4px rgb(204, 139,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8948, 32.4067, 18.7786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 139, 109) }
```

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

```
.background{ background-color: rgb(204,  
139, 109) }
```

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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