

Converting Colors

XYZ(38.3961, 33.6738, 17.7203)

Have a look what the booklet for
XYZ(38.3961, 33.6738, 17.7203)
contains.

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Color

**XYZ(38.3692, 33.6250,
17.8326)**

Conversions

Conversions Part 1

Format	Color
Hex	D18D69
RGB	209, 141, 105
RGB Percent	82%, 55%, 41%
CMY	0.1804, 0.4470, 0.5882
CMYK	0.00, 0.33, 0.50, 0.18
HSL	21°, 53%, 62%
HSV	21°, 50%, 82%
XYZ	38.3692, 33.6250, 17.8326
YIQ	157.2280, 52.0840, 3.2200

Conversions

Conversions Part 2

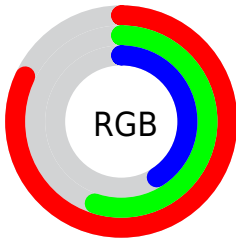
Format	Color
RYB	209, 160, 105
Decimal	13733225
CIELab	64.66, 21.84, 29.65
CIELCh	65, 36.828, 53.622
Yxy	33.6250, 0.4271, 0.3743
Android (android.graphics.Color)	4291923305 (0xFFD18D69)
YUV	157.2280, -25.7484, 45.4040
Hunter-Lab	57.9871, 16.6335, 22.3577

Details

The XYZ color **38.3692, 33.6250, 17.8326** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.2772, 37.4922, 65.8570**, and the grayscale version is **32.2472, 33.9266, 36.9460**.

A 20% lighter version of the original color is **66.8409, 62.7245, 40.4824**, and **17.3436, 14.2831, 5.7137** is the 20% darker color. If you saturate the color by 10%, you get **35.5322, 29.4640, 12.2227**, and if you desaturate by 10%, it is **41.7205, 38.3921, 24.9168**.

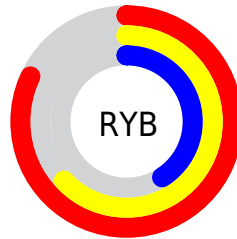
Distribution



Red (82%)

Green (55%)

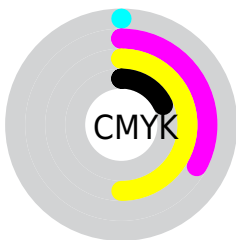
Blue (41%)



Red (82%)

Yellow (63%)

Blue (41%)

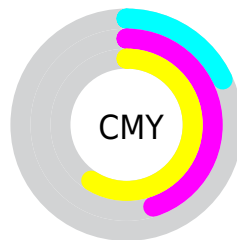


Cyan (0%)

Magenta (33%)

Yellow (50%)

Black (18%)



Cyan (18%)


Magenta (45%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3692, 33.6250, 17.8326 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 38.3692, 33.6250, 17.8326 by changing the saturation by 10% instead.


 38.3692, 33.6250,
17.8326


 38.3692, 33.6250,
17.8326


330.4546,
318.4567, 252.1301


 26.4479, 22.6057,
10.6617


 71.9739, 65.3501,
40.5620


 17.2934, 14.3026,
5.7285


 94.3880, 86.8246,
56.9575

 10.5405, 8.3314,
2.6146


 121.0305,
112.5530, 77.2649

 5.8238, 4.3077,
0.9000

 152.2666,
142.9197, 101.9028

 2.7779, 1.8472,
0.0000

188.4617,
178.3090, 131.2898

 1.0374, 0.5163,
0.0000

229.9811,

 0.0000, 0.0000,

219.1053, 165.8443

0.0000

277.1903,
265.6931, 205.9849

■ 38.3692, 33.6250,
17.8326

■ 38.3692, 33.6250,
17.8326

■ 35.5322, 29.4640,
12.2227

■ 41.7205, 38.3921,
24.9168

■ 33.1782, 25.8783,
7.9785

■ 45.6098, 43.7846,
33.5695

■ 31.2761, 22.8414,
4.9793


■ 50.0622, 49.8267,
43.8790


■ 29.7892, 20.3222,
3.0817


■ 55.1006, 56.5402,
55.9268


■ 28.6590, 18.2800,
2.0323


■ 60.7462, 63.9455,
69.7886

 28.6349, 18.2362,
2.0107

 67.0193, 72.0621,
85.5358

 73.9394, 80.9089,
103.2359

 78.6298, 89.3461,
107.7090

 80.1044, 92.2953,
108.2006

Harmonies

Analogous

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



42.1964, 33.6250, 26.1503



38.3692, 33.6250, 17.8326



33.1010, 33.6250, 14.6465

Triad

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



38.3692, 33.6250, 17.8326



22.8919, 33.6250, 33.4753



36.2042, 33.6250, 70.2476

Complementary

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



38.3692, 33.6250, 17.8326



32.2772, 37.4922, 65.8570

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.



30.8447, 33.6250, 73.7909



38.3692, 33.6250, 17.8326



23.5287, 33.6250, 49.5469

Square

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



38.3692, 33.6250, 17.8326



24.4605, 33.6250, 21.9290



26.3067, 33.6250, 65.3763



40.8532, 33.6250, 56.7134

Rectangle

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



38.3692, 33.6250, 17.8326



29.6268, 33.6250, 14.9957



26.3067, 33.6250, 65.3763



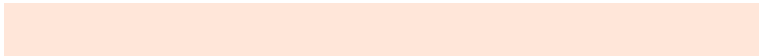
34.4116, 33.6250, 72.7772

Sweetspot

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



38.3700, 33.6267, 17.8332



82.0265, 82.8460, 77.1429



39.0187, 26.7277, 43.3176



17.2028, 17.2592, 15.6683



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.



38.3700, 33.6267, 17.8332



55.3544, 45.6516, 18.4645



47.6208, 52.1283, 20.9169



12.1386, 12.4680, 12.3788



17.7389, 11.4108, 1.2676



1.0652, 0.7848, 0.0953

Inverse Universe

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



32.2772, 37.4922, 65.8570



44.6574, 52.3005, 102.3491



24.3351, 21.6081, 63.2097



11.7995, 12.6893, 15.0710



12.6755, 13.9976, 39.2262



0.7813, 0.9277, 2.2175

Previews

White Background



This preview shows how the XYZ color 38.3692, 33.6250, 17.8326 looks on a white background.

Color Contrast Check

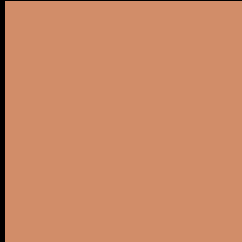
Large Text (above 18pt) WCAG AA × Fail

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 38.3692, 33.6250, 17.8326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

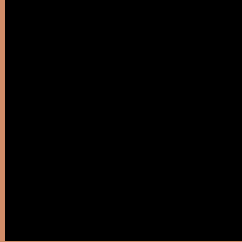
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3692, 33.6250, 17.8326

Background



This preview shows how black text looks on a background with the XYZ color 38.3692, 33.6250, 17.8326.



This preview shows how white text looks on a background with the XYZ color 38.3692, 33.6250,

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

38.3692, 33.6250, 17.8326

Protanopia

31.3438, 33.7188, 20.1856

Deuteranopia

34.3408, 33.6108, 17.5095



Tritanopia

41.1438, 33.6807, 31.5266

Trichromacy



Original Color

38.3692, 33.6250, 17.8326

Protanomaly

33.5941, 33.4277, 19.1496

Deuteranomaly

35.6974, 33.6027, 17.7012

Tritanomaly

40.0492, 33.6645, 25.8598

Monochromacy



Original Color

38.3692, 33.6250, 17.8326

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.5585, 33.1983, 28.6839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3692, 33.6250, 17.8326 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(209, 141, 105)` looks like.

```
.text, #text, p{  
    color:rgb(209, 141, 105)  
}
```

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(209, 141, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 141, 105) }
```

Border

The CSS property to change the border of an element to XYZ 38.3692, 33.6250, 17.8326 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(209, 141, 105) }
```


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

```
.border{ border-color:rgb(209, 141, 105) }
```

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

Here you see how a box with a 4 pixel rgb(209, 141, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 141, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 141, 105);  
box-shadow:4px 4px 4px 4px rgb(209, 141,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3692, 33.6250, 17.8326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 141, 105) }
```

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

```
.background{ background-color: rgb(209,  
141, 105) }
```

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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