

Converting Colors

XYZ(37.0417, 33.1045, 19.3328)

Have a look what the booklet for
XYZ(37.0417, 33.1045, 19.3328)
contains.

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Color

**XYZ(37.1708, 33.1902,
19.4862)**

Conversions

Conversions Part 1

Format	Color
Hex	CB8E6F
RGB	203, 142, 111
RGB Percent	80%, 56%, 44%
CMY	0.2039, 0.4431, 0.5647
CMYK	0.00, 0.30, 0.45, 0.20
HSL	20°, 47%, 62%
HSV	20°, 45%, 80%
XYZ	37.1708, 33.1902, 19.4862
YIQ	156.7050, 46.3070, 3.2910

Conversions

Conversions Part 2

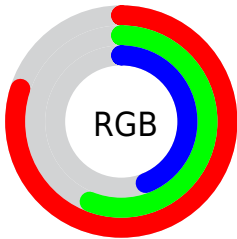
Format	Color
R_{YB}	203, 158, 111
Decimal	13340271
CIE _{Lab}	64.31, 19.46, 25.77
CIE _{LCh}	64, 32.289, 52.938
Yxy	33.1902, 0.4137, 0.3694
Android (android.graphics.Color)	4291530351 (0xFFCB8E6F)
YUV	156.7050, -22.5326, 40.6007
Hunter-Lab	57.6109, 14.3498, 20.2735

Details

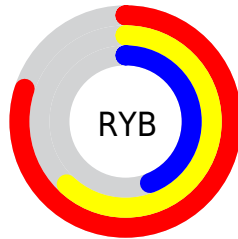
The XYZ color **37.1708, 33.1902, 19.4862** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0868, 37.1947, 61.9878**, and the grayscale version is **31.9994, 33.6659, 36.6622**.

A 20% lighter version of the original color is **67.5908, 63.3842, 43.3223**, and **16.4923, 13.9520, 6.5264** is the 20% darker color. If you saturate the color by 10%, you get **34.2946, 29.0280, 13.6256**, and if you desaturate by 10%, it is **40.5444, 37.9408, 26.7664**.

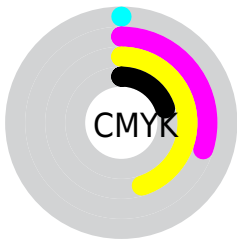
Distribution



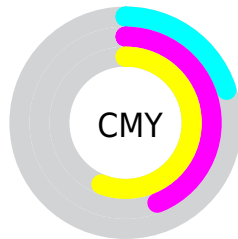
- Red (80%)
- Green (56%)
- Blue (44%)



- Red (80%)
- Yellow (62%)
- Blue (44%)



- Cyan (0%)
- Magenta (30%)
- Yellow (45%)
- Black (20%)





- Cyan (20%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1708, 33.1902, 19.4862 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 37.1708, 33.1902, 19.4862 by changing the saturation by 10% instead.


 37.1708, 33.1902,
19.4862


 37.1708, 33.1902,
19.4862


325.3921,
316.5059, 261.6315

 25.5140, 22.2722,
11.8418


 70.1475, 64.6724,
43.4016


 16.5912, 14.0570,
6.5148


 92.1982, 86.0053,
60.5097

 10.0370, 8.1603,
3.0868


 118.4442,
111.5787, 81.6095

 5.4859, 4.1977,
1.1391

 149.2510,
141.7769, 107.1194

 2.5728, 1.7848,
0.0000

184.9838,
176.9843, 137.4580

 0.9321, 0.4777,
0.0000

226.0080,

 0.0000, 0.0000,

217.5854, 173.0438

0.0000

272.6890,
263.9644, 214.2955

■ 37.1708, 33.1902,
19.4862

■ 37.1708, 33.1902,
19.4862

■ 34.2946, 29.0280,
13.6256

■ 40.5444, 37.9408,
26.7664

■ 31.8875, 25.4253,
9.0879

■ 44.4370, 43.2977,
35.5501

■ 29.9214, 22.3577,
5.7675


■ 48.8716, 49.2837,
45.9169


■ 28.3640, 19.7967,
3.5412


■ 53.8692, 55.9190,
57.9404

■ 27.1771, 17.7104,
2.2589


■ 59.4494, 63.2231,
71.6893

 26.7206, 16.8808,
1.8500

 65.6311, 71.2143,
87.2286

 72.4321, 79.9104,
104.6197

 76.7633, 88.0860,
107.5642

 78.4385, 91.4365,
108.1226

Harmonies

Analogous

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



40.3936, 33.1902, 27.1542



37.1708, 33.1902, 19.4862



32.6440, 33.1902, 16.4080

Triad

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



37.1708, 33.1902, 19.4862



23.5720, 33.1902, 33.1188



35.1131, 33.1902, 64.7768

Complementary

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



37.1708, 33.1902, 19.4862



32.0868, 37.1947, 61.9878

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.



30.4735, 33.1902, 67.4803



37.1708, 33.1902, 19.4862



24.0955, 33.1902, 46.9136

Square

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



37.1708, 33.1902, 19.4862



25.0137, 33.1902, 22.9436



26.5199, 33.1902, 60.2981



39.1274, 33.1902, 53.6156

Rectangle

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



37.1708, 33.1902, 19.4862



29.6109, 33.1902, 16.6753



26.5199, 33.1902, 60.2981



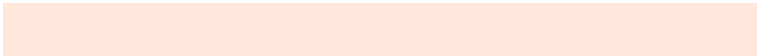
33.5642, 33.1902, 66.8001

Sweetspot

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



37.1716, 33.1918, 19.4868



82.7344, 83.7277, 79.0256



37.7916, 27.0570, 42.4286



17.3391, 17.4267, 16.0378



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.



37.1716, 33.1918, 19.4868



57.6914, 48.9972, 23.3390



45.4099, 49.6683, 22.2329



11.5162, 11.8213, 11.7542



17.0809, 10.8947, 1.2026



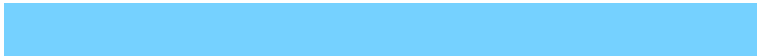
0.9511, 0.7019, 0.0854

Inverse Universe

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



32.0868, 37.1947, 61.9878



48.1275, 56.4247, 102.9622



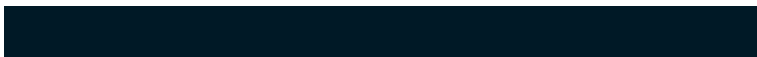
24.8389, 22.6988, 59.5718



11.2125, 12.0653, 14.3083



12.4242, 13.8724, 37.9791



0.7093, 0.8523, 1.9821

Previews

White Background



This preview shows how the XYZ color 37.1708, 33.1902, 19.4862 looks on a white background.

Color Contrast Check

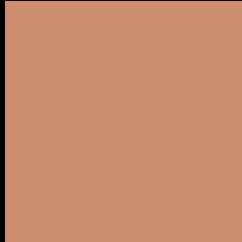
Large Text (above 18pt) WCAG AA × Fail

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 37.1708, 33.1902, 19.4862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

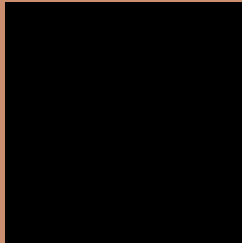
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1708, 33.1902, 19.4862

Background



This preview shows how black text looks on a background with the XYZ color 37.1708, 33.1902, 19.4862.



This preview shows how white text looks on a background with the XYZ color 37.1708, 33.1902,

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

37.1708, 33.1902, 19.4862

Protanopia

31.0357, 33.2768, 21.6169

Deuteranopia

33.9705, 33.3776, 19.4039



Tritanopia

39.6657, 33.1197, 31.9059

Trichromacy



Original Color

37.1708, 33.1902, 19.4862

Protanomaly

32.9835, 33.0743, 20.8652

Deuteranomaly

34.9864, 33.1997, 19.3160

Tritanomaly

38.7125, 33.1656, 26.9155

Monochromacy



Original Color

37.1708, 33.1902, 19.4862

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.4174, 33.3486, 29.4866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1708, 33.1902, 19.4862 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(203, 142, 111)` looks like.

```
.text, #text, p{  
    color:rgb(203, 142, 111)  
}
```

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(203, 142, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 142, 111) }
```

Border

The CSS property to change the border of an element to XYZ 37.1708, 33.1902, 19.4862 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(203, 142, 111) }
```


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

```
.border{ border-color:rgb(203, 142, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 142, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 142, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 142, 111);  
box-shadow:4px 4px 4px 4px rgb(203, 142,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1708, 33.1902, 19.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 142, 111) }
```

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

```
.background{ background-color: rgb(203,  
142, 111) }
```

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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