

Converting Colors

XYZ(37.0370, 33.9718, 12.1946)

Have a look what the booklet for
XYZ(37.0370, 33.9718, 12.1946)
contains.

XYZ(37.0270, 33.9518, 12.1912)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0270, 33.9518,
12.1912)**

Conversions

Conversions Part 1

Format	Color
Hex	CE9150
RGB	206, 145, 80
RGB Percent	81%, 57%, 31%
CMY	0.1922, 0.4314, 0.6863
CMYK	0.00, 0.30, 0.61, 0.19
HSL	31°, 56%, 56%
HSV	31°, 61%, 81%
XYZ	37.0270, 33.9518, 12.1912
YIQ	155.8290, 57.2210, -7.2830

Conversions

Conversions Part 2

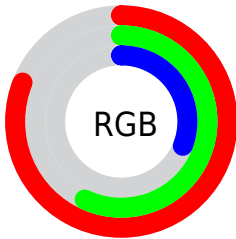
Format	Color
RYB	198, 206, 80
Decimal	13537616
CIELab	64.92, 16.36, 43.13
CIElCh	65, 46.127, 69.227
Yxy	33.9518, 0.4452, 0.4082
Android (android.graphics.Color)	4291727696 (0xFFCE9150)
YUV	155.8290, -37.3837, 44.0000
Hunter-Lab	58.2682, 11.4600, 28.3827

Details

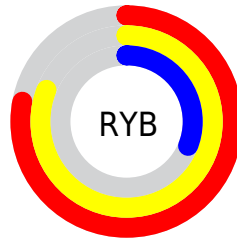
The XYZ color **37.0270, 33.9518, 12.1912** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **23.9732, 25.2103, 61.9949**, and the grayscale version is **31.6680, 33.3172, 36.2824**.

A 20% lighter version of the original color is **65.7602, 63.7455, 30.3109**, and **16.4628, 14.4002, 3.2082** is the 20% darker color. If you saturate the color by 10%, you get **34.9220, 30.7790, 8.2929**, and if you desaturate by 10%, it is **39.5007, 37.4889, 17.3640**.

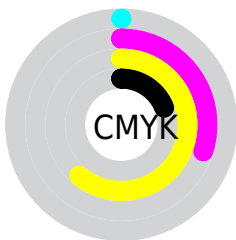
Distribution



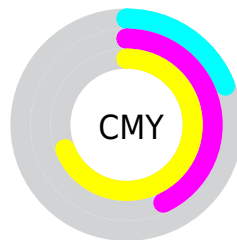
- Red (81%)
- Green (57%)
- Blue (31%)



- Red (78%)
- Yellow (81%)
- Blue (31%)



- Cyan (0%)
- Magenta (30%)
- Yellow (61%)
- Black (19%)




- Cyan (19%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0270, 33.9518, 12.1912 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 37.0270, 33.9518, 12.1912 by changing the saturation by 10% instead.


 37.0270, 33.9518,
12.1912


 37.0270, 33.9518,
12.1912


324.7809,
319.9171, 216.6896


 25.4022, 22.8566,
6.7499


 69.9279, 65.8587,
30.5125

 16.5073, 14.4876,
3.2301


 91.9346, 87.4392,
44.2295


 9.9769, 8.4606,
1.2133


 118.1327,
113.2835, 61.5422

 5.4458, 4.3911,
0.0000

 148.8875,
143.7761, 82.8691

 2.5486, 1.8946,
0.0000

 184.5644,
179.3014, 108.6288

 0.9198, 0.5451,
0.0000

225.5287,

 0.0000, 0.0000,

220.2437, 139.2397

0.0000

272.1457,
266.9875, 175.1205

■ 37.0270, 33.9518,
12.1912

■ 37.0270, 33.9518,
12.1912

■ 34.9220, 30.7790,
8.2929

■ 39.5007, 37.4889,
17.3640

■ 33.1578, 27.9497,
5.5495

■ 42.3632, 41.3994,
23.9122

■ 31.7052, 25.4479,
3.8218

■ 45.6359, 45.6985,
31.9286

■ 30.6362, 23.4872,
2.9188

■ 49.3377, 50.3985,
41.4974

■ 53.4861, 55.5112,
52.6963

■ 58.0976, 61.0479,
65.5978

■ 63.1878, 67.0192,
80.2700

■ 68.7713, 73.4355,
96.7772

■ 73.1419, 79.6185,
106.1207

Harmonies

Analogous

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



43.2381, 33.9518, 18.2909



37.0270, 33.9518, 12.1912



30.2606, 33.9518, 11.3025

Triad

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



37.0270, 33.9518, 12.1912



21.2112, 33.9518, 43.1640



41.0623, 33.9518, 73.2649

Complementary

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



37.0270, 33.9518, 12.1912



23.9732, 25.2103, 61.9949

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.



34.3668, 33.9518, 86.2528



37.0270, 33.9518, 12.1912



23.3341, 33.9518, 65.3400

Square

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



37.0270, 33.9518, 12.1912



21.7191, 33.9518, 25.4291



27.9393, 33.9518, 82.9379



45.7813, 33.9518, 51.5559

Rectangle

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



37.0270, 33.9518, 12.1912



26.4141, 33.9518, 13.3144



27.9393, 33.9518, 82.9379



38.9335, 33.9518, 79.0844

Sweetspot

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



37.0278, 33.9535, 12.1919



81.8378, 84.0219, 72.2911



33.2803, 20.8425, 28.2558



17.1092, 17.4769, 14.3891



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.



37.0278, 33.9535, 12.1919



55.7443, 48.5573, 12.0403



48.9728, 57.8435, 16.1735



11.6830, 12.1549, 11.8098



18.9625, 14.6580, 1.8298



1.0541, 0.9078, 0.1197

Inverse Universe

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



23.9732, 25.2103, 61.9949



32.8854, 33.2633, 99.2950



17.3177, 11.8993, 59.7764



11.0424, 11.7253, 14.2516



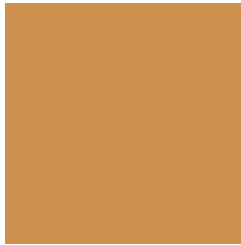
9.7461, 8.5162, 37.0864



0.5787, 0.5911, 1.9385

Previews

White Background



This preview shows how the XYZ color 37.0270, 33.9518, 12.1912 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 37.0270, 33.9518, 12.1912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

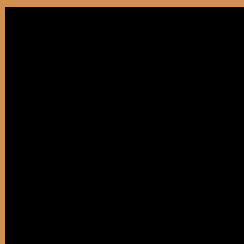
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0270, 33.9518, 12.1912

Background



This preview shows how black text looks on a background with the XYZ color 37.0270, 33.9518, 12.1912.



This preview shows how white text looks on a background with the XYZ color 37.0270, 33.9518,

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

37.0270, 33.9518, 12.1912

Protanopia

31.2827, 34.0925, 13.3192

Deuteranopia

34.5658, 33.8465, 12.1084



Tritanopia

41.1549, 33.8783, 32.3870

Trichromacy



Original Color

37.0270, 33.9518, 12.1912

Protanomaly

33.2023, 33.8461, 12.9666

Deuteranomaly

35.2899, 33.7501, 12.0516

Tritanomaly

39.2477, 33.7415, 23.1831

Monochromacy



Original Color

37.0270, 33.9518, 12.1912

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.5801, 33.0137, 25.0772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0270, 33.9518, 12.1912 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(206, 145, 80)` looks like.

```
.text, #text, p{  
    color:rgb(206, 145, 80)  
}
```

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(206, 145, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 145, 80) }
```

Border

The CSS property to change the border of an element to XYZ 37.0270, 33.9518, 12.1912 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(206, 145, 80) }
```


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

```
.border{ border-color:rgb(206, 145, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 145, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 145, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 145, 80);  
box-shadow:4px 4px 4px 4px rgb(206, 145,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0270, 33.9518, 12.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 145, 80) }
```

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

```
.background{ background-color: rgb(206,  
145, 80) }
```

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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