

Converting Colors

XYZ(37.3843, 32.0111, 12.7330)

Have a look what the booklet for
XYZ(37.3843, 32.0111, 12.7330)
contains.

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Color

**XYZ(37.4550, 31.9809,
12.7932)**

Conversions

Conversions Part 1

Format	Color
Hex	D48755
RGB	212, 135, 85
RGB Percent	83%, 53%, 33%
CMY	0.1686, 0.4706, 0.6667
CMYK	0.00, 0.36, 0.60, 0.17
HSL	24°, 60%, 58%
HSV	24°, 60%, 83%
XYZ	37.4550, 31.9809, 12.7932
YIQ	152.3230, 61.9420, 0.7740

Conversions

Conversions Part 2

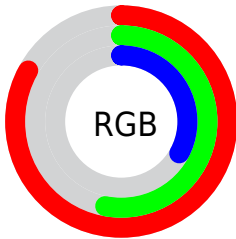
Format	Color
R _Y B	212, 167, 85
Decimal	13928277
CIE Lab	63.33, 24.65, 38.81
CIE LCh	63, 45.977, 57.585
Yxy	31.9809, 0.4555, 0.3889
Android (android.graphics.Color)	4292118357 (0xFFD48755)
YUV	152.3230, -33.1902, 52.3367
Hunter-Lab	56.5517, 19.2578, 26.1735

Details

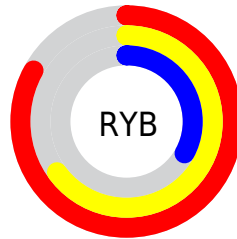
The XYZ color **37.4550, 31.9809, 12.7932** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **28.5494, 32.5236, 67.0598**, and the grayscale version is **30.1057, 31.6736, 34.4925**.

A 20% lighter version of the original color is **63.8815, 59.4328, 31.3973**, and **16.7193, 13.4029, 3.4561** is the 20% darker color. If you saturate the color by 10%, you get **35.0494, 28.3217, 8.4403**, and if you desaturate by 10%, it is **40.3309, 36.1773, 18.5480**.

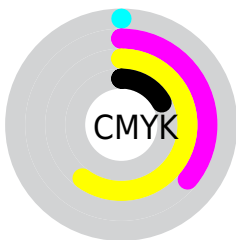
Distribution



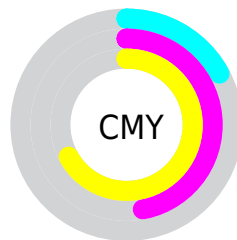
- Red (83%)
- Green (53%)
- Blue (33%)



- Red (83%)
- Yellow (65%)
- Blue (33%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)
- Black (17%)





- Cyan (17%)
- Magenta (47%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4550, 31.9809, 12.7932 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 37.4550, 31.9809, 12.7932 by changing the saturation by 10% instead.


 37.4550, 31.9809,
12.7932


 37.4550, 31.9809,
12.7932


326.5977,
311.0322, 220.7491


 25.7353, 21.3469,
7.1572

 70.5813, 62.7811,
31.6175

 16.7573, 13.3778,
3.4807


 92.7186, 83.7162,
45.6429


 10.1559, 7.6892,
1.3450


 119.0591,
108.8537, 63.3019

 5.5655, 3.8967,
0.0983

 149.9683,
138.5781, 85.0129

 2.6208, 1.6160,
0.0000

 185.8113,
173.2738, 111.1947

 0.9566, 0.3683,
0.0000

226.9537,

 0.0000, 0.0000,

213.3251, 142.2656

0.0000

273.7607,
259.1164, 178.6442

■ 37.4550, 31.9809,
12.7932

■ 37.4550, 31.9809,
12.7932

■ 35.0494, 28.3217,
8.4403

■ 40.3309, 36.1773,
18.5480

■ 33.0807, 25.1701,
5.3622

■ 43.7026, 40.9287,
25.8128

■ 31.5142, 22.5004,
3.4112

■ 47.5961, 46.2580,
34.6874

■ 30.2913, 20.2755,
2.3228

■ 52.0349, 52.1853,
45.2620

■ 30.2808, 20.2561,
2.3139

■ 57.0407, 58.7294,
57.6205

■ 62.6342, 65.9084,
71.8410

■ 68.8348, 73.7396,
87.9968

■ 75.6611, 82.2396,
106.1575

■ 79.5983, 90.0112,
107.7864

Harmonies

Analogous

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



42.6117, 31.9809, 20.9601



37.4550, 31.9809, 12.7932



30.9164, 31.9809, 10.2005

Triad

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



37.4550, 31.9809, 12.7932



19.7180, 31.9809, 33.3631



36.4359, 31.9809, 76.1419

Complementary

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



37.4550, 31.9809, 12.7932



28.5494, 32.5236, 67.0598

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.



29.8832, 31.9809, 83.0115



37.4550, 31.9809, 12.7932



20.7726, 31.9809, 53.7463

Square

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



37.4550, 31.9809, 12.7932



21.1760, 31.9809, 19.1857



24.2863, 31.9809, 73.6764



41.9678, 31.9809, 57.2421

Rectangle

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



37.4550, 31.9809, 12.7932



26.8407, 31.9809, 10.9272



24.2863, 31.9809, 73.6764



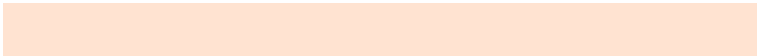
34.2541, 31.9809, 80.1716

Sweetspot

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



37.4558, 31.9825, 12.7938



80.2774, 80.9012, 71.7709



37.0391, 23.1499, 37.3156



16.7302, 16.7189, 14.2628



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.



37.4558, 31.9825, 12.7938



52.3168, 41.5732, 11.2958



48.7987, 54.6684, 16.5748



12.8204, 13.2150, 13.0357



18.7852, 12.6877, 1.4589



1.2125, 0.9242, 0.1145

Inverse Universe

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



28.5494, 32.5236, 67.0598



37.5514, 42.3217, 100.7975



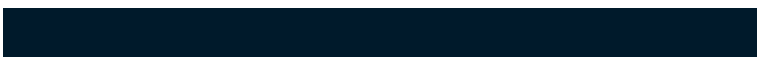
20.1698, 15.7643, 64.2666



12.3627, 13.2489, 15.8432



12.2444, 12.7506, 40.2689



0.8181, 0.9283, 2.4554

Previews

White Background



This preview shows how the XYZ color 37.4550, 31.9809, 12.7932 looks on a white background.

Color Contrast Check

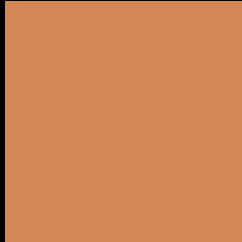
Large Text (above 18pt) WCAG AA × Fail

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 37.4550, 31.9809, 12.7932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

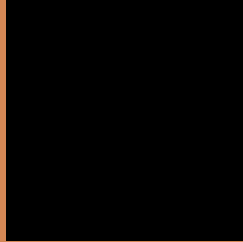
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4550, 31.9809, 12.7932

Background



This preview shows how black text looks on a background with the XYZ color 37.4550, 31.9809, 12.7932.



This preview shows how white text looks on a background with the XYZ color 37.4550, 31.9809,

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

37.4550, 31.9809, 12.7932

Protanopia

29.6358, 32.2087, 14.7801

Deuteranopia

32.6957, 32.1680, 12.4684



Tritanopia

40.7566, 32.1344, 28.0992

Trichromacy



Original Color

37.4550, 31.9809, 12.7932

Protanomaly

32.0041, 31.7791, 13.8984

Deuteranomaly

34.4098, 32.1398, 12.5736

Tritanomaly

39.4704, 32.0116, 21.5513

Monochromacy



Original Color

37.4550, 31.9809, 12.7932

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.6307, 31.1150, 24.7607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4550, 31.9809, 12.7932 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(212, 135, 85)` looks like.

```
.text, #text, p{  
    color:rgb(212, 135, 85)  
}
```

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(212, 135, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 135, 85) }
```

Border

The CSS property to change the border of an element to XYZ 37.4550, 31.9809, 12.7932 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(212, 135, 85) }
```


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

```
.border{ border-color:rgb(212, 135, 85) }
```

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

Here you see how a box with a 4 pixel rgb(212, 135, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 135, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 135, 85);  
box-shadow:4px 4px 4px 4px rgb(212, 135,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4550, 31.9809, 12.7932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 135, 85) }
```

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

```
.background{ background-color: rgb(212,  
135, 85) }
```

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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