

Converting Colors

XYZ(37.0638, 30.9621, 13.3993)

Have a look what the booklet for
XYZ(37.0638, 30.9621, 13.3993)
contains.

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Color

**XYZ(37.0708, 30.9509,
13.4715)**

Conversions

Conversions Part 1

Format	Color
Hex	D48359
RGB	212, 131, 89
RGB Percent	83%, 51%, 35%
CMY	0.1686, 0.4863, 0.6510
CMYK	0.00, 0.38, 0.58, 0.17
HSL	20°, 59%, 59%
HSV	20°, 58%, 83%
XYZ	37.0708, 30.9509, 13.4715
YIQ	150.4310, 61.7580, 4.1100

Conversions

Conversions Part 2

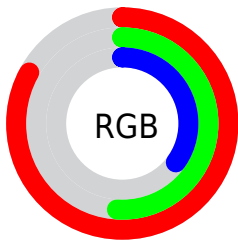
Format	Color
R _Y B	212, 153, 89
Decimal	13927257
CIE Lab	62.47, 27.10, 35.63
CIE LCh	62, 44.763, 52.743
Yxy	30.9509, 0.4549, 0.3798
Android (android.graphics.Color)	4292117337 (0xFFD48359)
YUV	150.4310, -30.2855, 53.9960
Hunter-Lab	55.6335, 21.5829, 24.5866

Details

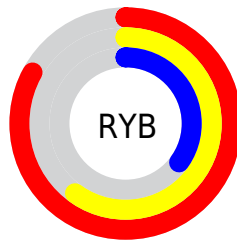
The XYZ color **37.0708, 30.9509, 13.4715** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **30.3773, 35.6249, 67.5622**, and the grayscale version is **29.2798, 30.8047, 33.5463**.

A 20% lighter version of the original color is **63.3226, 57.8514, 32.6399**, and **16.4972, 12.8243, 3.7963** is the 20% darker color. If you saturate the color by 10%, you get **34.5552, 27.1452, 8.8554**, and if you desaturate by 10%, it is **40.0969, 35.3676, 19.5227**.

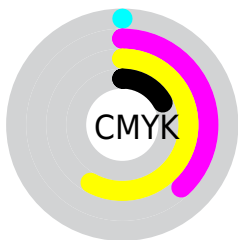
Distribution



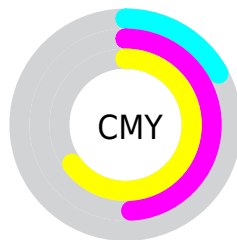
- Red (83%)
- Green (51%)
- Blue (35%)



- Red (83%)
- Yellow (60%)
- Blue (35%)



- Cyan (0%)
- Magenta (38%)
- Yellow (58%)
- Black (17%)





- Cyan (17%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0708, 30.9509, 13.4715 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 37.0708, 30.9509, 13.4715 by changing the saturation by 10% instead.


 37.0708, 30.9509,
13.4715


 37.0708, 30.9509,
13.4715


324.9672,
306.3121, 225.2307


 25.4362, 20.5615,
7.6195


 69.9948, 61.1628,
32.8518

 16.5328, 12.8038,
3.7682


 92.0149, 81.7540,
47.2172


 9.9952, 7.2936,
1.4991


 118.2276,
106.5146, 65.2574

 5.4580, 3.6464,
0.2172

 148.9983,
135.8289, 87.3911

 2.5559, 1.4778,
0.0000

 184.6922,
170.0815, 114.0367

 0.9235, 0.2730,
0.0000

225.6747,

 0.0000, 0.0000,

209.6566, 145.6128

0.0000

272.3113,
254.9386, 182.5380

■ 37.0708, 30.9509,
13.4715

■ 37.0708, 30.9509,
13.4715

■ 34.5552, 27.1452,
8.8554

■ 40.0969, 35.3676,
19.5227

■ 32.5151, 23.9166,
5.5500

■ 43.6606, 40.4174,
27.1158

■ 30.9139, 21.2346,
3.4119

■ 47.7898, 46.1272,
36.3493

■ 29.7016, 19.0609,
2.2343

■ 52.5095, 52.5206,
47.3128

■ 29.4944, 18.6835,
2.0517

■ 57.8431, 59.6201,
60.0897

■ 63.8128, 67.4471,
74.7575

■ 70.4396, 76.0221,
91.3895

■ 77.1580, 85.1305,
106.9729

■ 80.9612, 92.7370,
108.2407

Harmonies

Analogous

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



41.5584, 30.9509, 22.3517



37.0708, 30.9509, 13.4715



30.9182, 30.9509, 10.2167

Triad

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



37.0708, 30.9509, 13.4715



19.2858, 30.9509, 29.6487



34.1684, 30.9509, 74.9225

Complementary

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



37.0708, 30.9509, 13.4715



30.3773, 35.6249, 67.5622

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.



27.9669, 30.9509, 78.9671



37.0708, 30.9509, 13.4715



19.9071, 30.9509, 48.3572

Square

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



37.0708, 30.9509, 13.4715



21.0662, 30.9509, 17.2346



22.8981, 30.9509, 67.9524



39.7283, 30.9509, 58.2790

Rectangle

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



37.0708, 30.9509, 13.4715



26.9160, 30.9509, 10.4696



22.8981, 30.9509, 67.9524



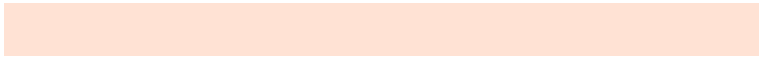
32.0702, 30.9509, 77.9904

Sweetspot

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



37.0715, 30.9525, 13.4721



80.3996, 80.6359, 73.3829



38.0744, 24.0822, 41.1697



16.8780, 16.8152, 14.9265



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.



37.0715, 30.9525, 13.4721



51.5730, 39.8108, 11.8950



47.6944, 52.1982, 17.0130



12.7665, 13.1072, 13.0178



18.2925, 11.7022, 1.2946



1.1791, 0.8573, 0.1033

Inverse Universe

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



30.3773, 35.6249, 67.5622



40.3713, 47.3789, 101.6250



21.5258, 17.9219, 64.6117



12.4185, 13.3604, 15.8618



13.1863, 14.6344, 40.5829



0.8708, 1.0336, 2.4729

Previews

White Background



This preview shows how the XYZ color 37.0708, 30.9509, 13.4715 looks on a white background.

Color Contrast Check

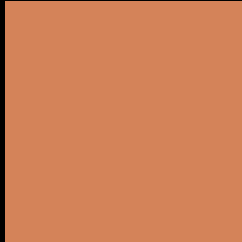
Large Text (above 18pt) WCAG AA × Fail

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 37.0708, 30.9509, 13.4715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

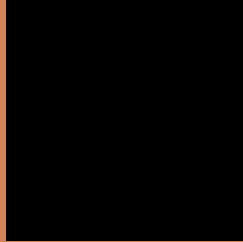
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0708, 30.9509, 13.4715

Background



This preview shows how black text looks on a background with the XYZ color 37.0708, 30.9509, 13.4715.



This preview shows how white text looks on a background with the XYZ color 37.0708, 30.9509,

13.4715.

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

37.0708, 30.9509, 13.4715

Protanopia

28.7413, 30.9956, 15.7772

Deuteranopia

31.6606, 30.9327, 13.1060



Tritanopia

39.6610, 30.8355, 26.4157

Trichromacy



Original Color

37.0708, 30.9509, 13.4715

Protanomaly

31.2850, 30.6998, 14.8664

Deuteranomaly

33.4586, 30.7555, 13.1898

Tritanomaly

38.5909, 30.7829, 21.0473

Monochromacy



Original Color

37.0708, 30.9509, 13.4715

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.9523, 30.0877, 24.5982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0708, 30.9509, 13.4715 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, 131, 89)` looks like.

```
.text, #text, p{  
    color:rgb(212, 131, 89)  
}
```

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, 131, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 131, 89) }
```

Border

The CSS property to change the border of an element to XYZ 37.0708, 30.9509, 13.4715 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, 131, 89) }
```


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

```
.border{ border-color:rgb(212, 131, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 131, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 131, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 131, 89);  
box-shadow:4px 4px 4px 4px rgb(212, 131,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0708, 30.9509, 13.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 131, 89) }
```

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

```
.background{ background-color: rgb(212,  
131, 89) }
```

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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