

Converting Colors

XYZ(37.0907, 30.7300, 14.6238)

Have a look what the booklet for
XYZ(37.0907, 30.7300, 14.6238)
contains.

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Color

**XYZ(37.1544, 30.7705,
14.5707)**

Conversions

Conversions Part 1

Format	Color
Hex	D4825E
RGB	212, 130, 94
RGB Percent	83%, 51%, 37%
CMY	0.1686, 0.4902, 0.6314
CMYK	0.00, 0.39, 0.56, 0.17
HSL	18°, 58%, 60%
HSV	18°, 56%, 83%
XYZ	37.1544, 30.7705, 14.5707
YIQ	150.4140, 60.4280, 6.1880

Conversions

Conversions Part 2

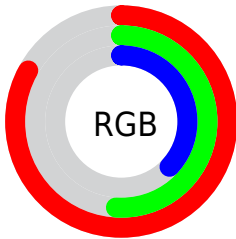
Format	Color
R _Y B	212, 146, 94
Decimal	13927006
CIE Lab	62.31, 28.03, 32.72
CIE LCh	62, 43.089, 49.417
Yxy	30.7705, 0.4504, 0.3730
Android (android.graphics.Color)	4292117086 (0xFFD4825E)
YUV	150.4140, -27.8121, 54.0109
Hunter-Lab	55.4712, 22.4842, 23.2560

Details

The XYZ color **37.1544, 30.7705, 14.5707** 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 **32.0241, 38.1818, 67.9690**, and the grayscale version is **29.2628, 30.7868, 33.5268**.

A 20% lighter version of the original color is **63.4913, 57.5853, 34.5568**, and **16.7082, 12.8126, 4.2818** is the 20% darker color. If you saturate the color by 10%, you get **34.5094, 26.7997, 9.6228**, and if you desaturate by 10%, it is **40.3427, 35.4100, 20.9890**.

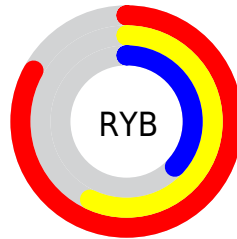
Distribution



Red (83%)

Green (51%)

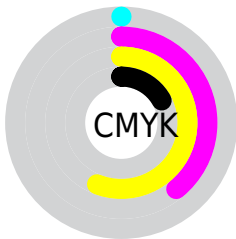
Blue (37%)



Red (83%)

Yellow (57%)

Blue (37%)

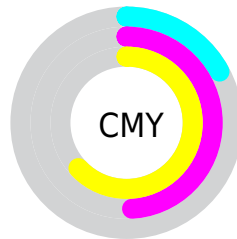


Cyan (0%)

Magenta (39%)

Yellow (56%)

Black (17%)



Cyan (17%)


Magenta (49%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1544, 30.7705, 14.5707 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 37.1544, 30.7705, 14.5707 by changing the saturation by 10% instead.


 37.1544, 30.7705,
14.5707

 37.1544, 30.7705,
14.5707


325.3224,
305.4796, 232.3034


 25.5013, 20.4242,
8.3754


 70.1225, 60.8786,
34.8299

 16.5816, 12.7037,
4.2449

 92.1682, 81.4091,
49.7308

 10.0301, 7.2249,
1.7606


 118.4087,
106.1031, 68.3707

 5.4813, 3.6031,
0.4018

 149.2095,
135.3450, 91.1681

 2.5700, 1.4541,
0.0000

184.9360,
169.5192, 118.5415

 0.9307, 0.2561,
0.0000

225.9534,

 0.0000, 0.0000,

209.0101, 150.9095

0.0000

272.6271,
254.2021, 188.6906

■ 37.1544, 30.7705,
14.5707

■ 37.1544, 30.7705,
14.5707

■ 34.5094, 26.7997,
9.6228

■ 40.3427, 35.4100,
20.9890

■ 32.3716, 23.4603,
6.0241

■ 44.1026, 40.7437,
28.9822

■ 30.7036, 20.7185,
3.6361

■ 48.4632, 46.8012,
38.6473

■ 29.4601, 18.5340,
2.2889

■ 53.4506, 53.6091,
50.0729

■ 29.0237, 17.7418,
1.8948

■ 59.0893, 61.1925,
63.3412

■ 65.4027, 69.5752,
78.5294

■ 72.4128, 78.7803,
95.7100

■ 78.7243, 88.2631,
107.4950

■ 80.9613, 92.7370,
108.2407

Harmonies

Analogous

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



41.1321, 30.7705, 23.9320



37.1544, 30.7705, 14.5707



31.3521, 30.7705, 10.8304

Triad

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



37.1544, 30.7705, 14.5707



19.5607, 30.7705, 27.9511



33.1299, 30.7705, 73.7736

Complementary

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



37.1544, 30.7705, 14.5707



32.0241, 38.1818, 67.9690

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.



27.2372, 30.7705, 75.9589



37.1544, 30.7705, 14.5707



19.9042, 30.7705, 45.3381

Square

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



37.1544, 30.7705, 14.5707



21.5385, 30.7705, 16.6692



22.5486, 30.7705, 64.2449



38.6035, 30.7705, 59.0028

Rectangle

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



37.1544, 30.7705, 14.5707



27.4520, 30.7705, 10.7771



22.5486, 30.7705, 64.2449



31.1174, 30.7705, 76.1548

Sweetspot

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



37.1551, 30.7721, 14.5713



79.9716, 79.7800, 73.2402



39.0501, 25.1610, 44.1847



16.7776, 16.6144, 14.8930



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.



37.1551, 30.7721, 14.5713



51.6900, 39.5902, 13.3357



47.2405, 50.9427, 17.9330



12.7292, 13.0326, 13.0053



17.9958, 11.1088, 1.1957



1.1578, 0.8149, 0.0963

Inverse Universe

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



32.0241, 38.1818, 67.9690



43.0445, 51.7615, 102.3300



22.9314, 19.9963, 64.9381



12.4575, 13.4385, 15.8748



13.8998, 16.0613, 40.8207



0.9099, 1.1118, 2.4859

Previews

White Background



This preview shows how the XYZ color 37.1544, 30.7705, 14.5707 looks on a white background.

Color Contrast Check

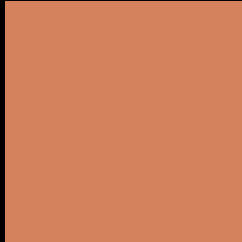
Large Text (above 18pt) WCAG AA × Fail

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 37.1544, 30.7705, 14.5707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

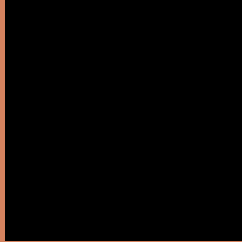
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.1544, 30.7705, 14.5707

Background



This preview shows how black text looks on a background with the XYZ color 37.1544, 30.7705, 14.5707.



This preview shows how white text looks on a background with the XYZ color 37.1544, 30.7705,

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

37.1544, 30.7705, 14.5707

Protanopia

28.7747, 30.9850, 17.0345

Deuteranopia

31.3900, 30.7691, 14.1821



Tritanopia

39.6610, 30.8355, 26.4157

Trichromacy



Original Color

37.1544, 30.7705, 14.5707

Protanomaly

31.1306, 30.3695, 16.0255

Deuteranomaly

33.4125, 30.7073, 14.2913

Tritanomaly

38.6507, 30.8068, 21.3620

Monochromacy



Original Color

37.1544, 30.7705, 14.5707

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.0853, 30.1409, 25.2985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1544, 30.7705, 14.5707 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, 130, 94)` looks like.

```
.text, #text, p{  
    color:rgb(212, 130, 94)  
}
```

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, 130, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 130, 94) }
```

Border

The CSS property to change the border of an element to XYZ 37.1544, 30.7705, 14.5707 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, 130, 94) }
```


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

```
.border{ border-color:rgb(212, 130, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 130, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 130, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 130, 94);  
box-shadow:4px 4px 4px 4px rgb(212, 130,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1544, 30.7705, 14.5707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 130, 94) }
```

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

```
.background{ background-color: rgb(212,  
130, 94) }
```

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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