

Converting Colors

XYZ(40.5795, 31.5844, 12.3043)

Have a look what the booklet for
XYZ(40.5795, 31.5844, 12.3043)
contains.

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Color

**XYZ(40.6124, 31.6382,
12.3538)**

Conversions

Conversions Part 1

Format	Color
Hex	E37D54
RGB	227, 125, 84
RGB Percent	89%, 49%, 33%
CMY	0.1098, 0.5098, 0.6706
CMYK	0.00, 0.45, 0.63, 0.11
HSL	17°, 72%, 61%
HSV	17°, 63%, 89%
XYZ	40.6124, 31.6382, 12.3538
YIQ	150.8240, 73.9530, 8.8730

Conversions

Conversions Part 2

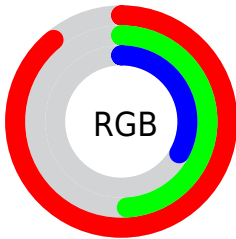
Format	Color
R _Y B	227, 141, 84
Decimal	14908756
CIE Lab	63.04, 35.90, 39.46
CIE LCh	63, 53.342, 47.707
Yxy	31.6382, 0.4800, 0.3740
Android (android.graphics.Color)	4293098836 (0xFFE37D54)
YUV	150.8240, -32.9442, 66.8064
Hunter-Lab	56.2478, 30.4479, 26.3515

Details

The XYZ color **40.6124, 31.6382, 12.3538** 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 **35.0790, 42.5463, 79.0360**, and the grayscale version is **29.4552, 30.9892, 33.7472**.

A 20% lighter version of the original color is **61.7333, 55.2495, 30.3322**, and **18.7191, 13.2466, 3.3205** is the 20% darker color. If you saturate the color by 10%, you get **37.9779, 27.5691, 7.7773**, and if you desaturate by 10%, it is **43.8705, 36.4941, 18.5595**.

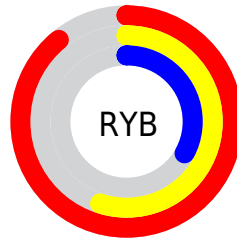
Distribution



Red (89%)

Green (49%)

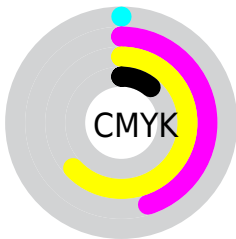
Blue (33%)



Red (89%)

Yellow (55%)

Blue (33%)

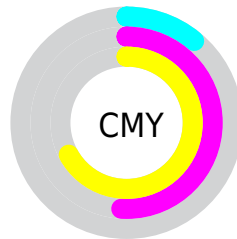


Cyan (0%)

Magenta (45%)

Yellow (63%)

Black (11%)



Cyan (11%)

Magenta (51%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6124, 31.6382, 12.3538 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 40.6124, 31.6382, 12.3538 by changing the saturation by 10% instead.


 40.6124, 31.6382,
12.3538


 40.6124, 31.6382,
12.3538


339.7884,
309.4678, 217.7941

 28.2027, 21.0853,
6.8597


 75.3736, 62.2435,
30.8118

 18.6197, 13.1864,
3.2974


 98.4558, 83.0646,
44.6128


 11.4982, 7.5570,
1.2484


 125.8261,
108.0773, 62.0198

 6.4727, 3.8128,
0.0189

 157.8500,
137.6660, 83.4514

 3.1780, 1.5694,
0.0000

 194.8929,
172.2150, 109.3260

 1.2486, 0.3368,
0.0000

237.3200,

 0.1442, 0.0000,

212.1087, 140.0623

0.0000

285.4967,
257.7315, 176.0788

■ 0.0000, 0.0000,
0.0000

■ 40.6124, 31.6382,
12.3538

■ 40.6124, 31.6382,
12.3538

■ 37.9779, 27.5691,
7.7773

■ 43.8705, 36.4941,
18.5595

■ 35.9196, 24.2378,
4.6702

■ 47.7903, 42.1719,
26.5302

■ 34.3857, 21.5969,
2.8427

■ 52.4090, 48.7107,
36.3891

■ 33.5740, 20.1221,
2.1144

■ 57.7603, 56.1452,
48.2480

■ 63.8756, 64.5084,
62.2097

■ 70.7846, 73.8314,
78.3701

■ 78.5151, 84.1439,
96.8190

■ 85.3392, 94.7725,
108.4028

■ 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



45.6331, 31.6382, 23.5521



40.6124, 31.6382, 12.3538



33.1798, 31.6382, 8.1135

Triad

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



40.6124, 31.6382, 12.3538



18.2741, 31.6382, 26.5337



34.5748, 31.6382, 89.1381

Complementary

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



40.6124, 31.6382, 12.3538



35.0790, 42.5463, 79.0360

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.



27.1630, 31.6382, 91.0148



40.6124, 31.6382, 12.3538



18.5230, 31.6382, 48.2744

Square

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



40.6124, 31.6382, 12.3538



20.7865, 31.6382, 13.7682



21.5327, 31.6382, 73.8705



41.7759, 31.6382, 69.4686

Rectangle

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



40.6124, 31.6382, 12.3538



28.2165, 31.6382, 7.9010



21.5327, 31.6382, 73.8705



32.0053, 31.6382, 92.0934

Sweetspot

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



40.6131, 31.6399, 12.3544



78.1572, 77.1624, 69.5179



43.7632, 26.2375, 49.4820



16.2544, 15.8645, 13.8041



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.



40.6131, 31.6399, 12.3544



48.4226, 34.2688, 8.5056



53.0223, 56.4583, 16.4908



14.7119, 15.0377, 15.0316



19.6670, 11.9081, 1.2619



1.5308, 1.0349, 0.1191

Inverse Universe

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



35.0790, 42.5463, 79.0360



40.5086, 49.2621, 101.9812



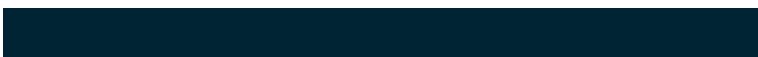
23.6503, 19.6888, 75.2265



14.4400, 15.6013, 18.3946



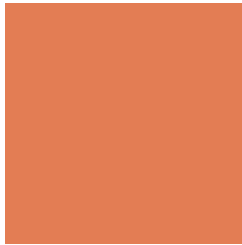
15.7162, 18.4946, 45.1246



1.2398, 1.5236, 3.3607

Previews

White Background



This preview shows how the XYZ color 40.6124, 31.6382, 12.3538 looks on a white background.

Color Contrast Check

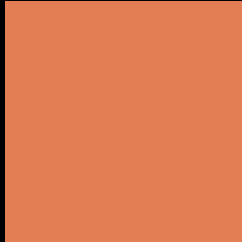
Large Text (above 18pt) WCAG AA × Fail

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 40.6124, 31.6382, 12.3538 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 40.6124, 31.6382, 12.3538

Background



This preview shows how black text looks on a background with the XYZ color 40.6124, 31.6382, 12.3538.



This preview shows how white text looks on a background with the XYZ color 40.6124, 31.6382,

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

40.6124, 31.6382, 12.3538

Protanopia

29.3480, 31.8061, 15.1821

Deuteranopia

32.4659, 31.8283, 12.0218



Tritanopia

43.1262, 31.5752, 24.2437

Trichromacy



Original Color

40.6124, 31.6382, 12.3538

Protanomaly

32.6542, 31.2019, 13.9744

Deuteranomaly

34.9308, 31.3276, 11.9904

Tritanomaly

42.0751, 31.5026, 19.1922

Monochromacy



Original Color

40.6124, 31.6382, 12.3538

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.0942, 30.4620, 24.2669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6124, 31.6382, 12.3538 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(227, 125, 84)` looks like.

```
.text, #text, p{  
    color:rgb(227, 125, 84)  
}
```

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(227, 125, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 125, 84) }
```

Border

The CSS property to change the border of an element to XYZ 40.6124, 31.6382, 12.3538 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(227, 125, 84) }
```


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

```
.border{ border-color:rgb(227, 125, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 125, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 125, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 125, 84);  
box-shadow:4px 4px 4px 4px rgb(227, 125,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6124, 31.6382, 12.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 125, 84) }
```

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

```
.background{ background-color: rgb(227,  
125, 84) }
```

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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