

Converting Colors

XYZ(40.9846, 31.5572, 10.8200)

Have a look what the booklet for
XYZ(40.9846, 31.5572, 10.8200)
contains.

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Color

**XYZ(41.0206, 31.5107,
10.7576)**

Conversions

Conversions Part 1

Format	Color
Hex	E67B4C
RGB	230, 123, 76
RGB Percent	90%, 48%, 30%
CMY	0.0980, 0.5176, 0.7020
CMYK	0.00, 0.47, 0.67, 0.10
HSL	18°, 75%, 60%
HSV	18°, 67%, 90%
XYZ	41.0206, 31.5107, 10.7576
YIQ	149.6350, 78.8590, 8.0670

Conversions

Conversions Part 2

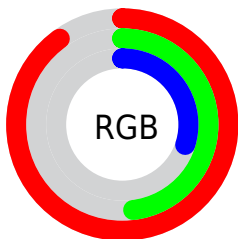
Format	Color
R _Y B	230, 144, 76
Decimal	15104844
CIE Lab	62.94, 37.61, 43.64
CIE LCh	63, 57.610, 49.242
Yxy	31.5107, 0.4925, 0.3783
Android (android.graphics.Color)	4293294924 (0xFFE67B4C)
YUV	149.6350, -36.3021, 70.4801
Hunter-Lab	56.1344, 32.2049, 27.9317

Details

The XYZ color **41.0206, 31.5107, 10.7576** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **34.1957, 41.1141, 80.9960**, and the grayscale version is **28.9611, 30.4693, 33.1811**.

A 20% lighter version of the original color is **60.7280, 54.2106, 27.0016**, and **18.8892, 13.1536, 2.6419** is the 20% darker color. If you saturate the color by 10%, you get **38.5361, 27.6011, 6.6648**, and if you desaturate by 10%, it is **44.1158, 36.1851, 16.4640**.

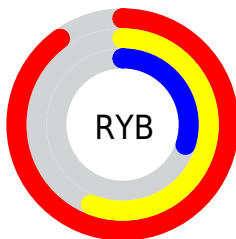
Distribution



Red (90%)

Green (48%)

Blue (30%)



Red (90%)

Yellow (56%)

Blue (30%)

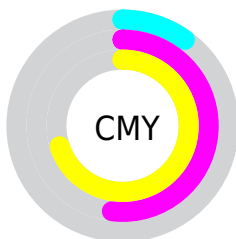


Cyan (0%)

Magenta (47%)

Yellow (67%)

Black (10%)



Cyan (10%)


Magenta (52%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0206, 31.5107, 10.7576 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 41.0206, 31.5107, 10.7576 by changing the saturation by 10% instead.


 41.0206, 31.5107,
10.7576


 41.0206, 31.5107,
10.7576


341.4678,
308.8843, 206.6743


 28.5229, 20.9880,
5.7920


 75.9897, 62.0432,
27.8408

 18.8627, 13.1153,
2.6523


 99.1918, 82.8219,
40.7955


 11.6745, 7.5080,
0.9193


 126.6927,
107.7880, 57.2502

 6.5931, 3.7818,
0.0000

 158.8579,
137.3260, 77.6236

 3.2530, 1.5522,
0.0000

 196.0527,
171.8202, 102.3342

 1.2889, 0.3251,
0.0000

238.6423,

 0.1749, 0.0000,

211.6550, 131.8005

0.0000

286.9923,
257.2149, 166.4410

■ 0.0000, 0.0000,
0.0000

■ 41.0206, 31.5107,
10.7576

■ 41.0206, 31.5107,
10.7576

■ 38.5361, 27.6011,
6.6648

■ 44.1158, 36.1851,
16.4640

■ 36.6125, 24.4070,
4.0097

■ 47.8616, 41.6595,
23.9313


■ 35.1920, 21.8797,
2.5694


■ 52.2965, 47.9726,
33.2919


■ 34.8359, 21.2288,
2.2615


■ 57.4554, 55.1590,
44.6649

■ 63.3705, 63.2514,
58.1596

 70.0720, 72.2807,
73.8774

 77.5885, 82.2761,
91.9130

 85.1312, 92.9395,
108.0600

 86.4430, 95.5629,
108.4972

Harmonies

Analogous

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



46.7320, 31.5107, 21.8606



41.0206, 31.5107, 10.7576



32.8803, 31.5107, 6.8386

Triad

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



41.0206, 31.5107, 10.7576



17.3523, 31.5107, 26.8029



35.2488, 31.5107, 94.0759

Complementary

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



41.0206, 31.5107, 10.7576



34.1957, 41.1141, 80.9960

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.



27.1991, 31.5107, 97.3824



41.0206, 31.5107, 10.7576



17.7603, 31.5107, 50.7653

Square

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



41.0206, 31.5107, 10.7576



19.8410, 31.5107, 13.0015



21.0752, 31.5107, 79.0265



43.0150, 31.5107, 71.3401

Rectangle

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



41.0206, 31.5107, 10.7576



27.5724, 31.5107, 6.7705



21.0752, 31.5107, 79.0265



32.4605, 31.5107, 97.7841

Sweetspot

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



41.0213, 31.5124, 10.7582



77.6188, 76.5790, 67.8170



43.8483, 25.4443, 47.8378



16.1589, 15.7694, 13.4770



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.



41.0213, 31.5124, 10.7582



47.7726, 33.3691, 7.0550



54.4069, 58.2836, 15.2200



14.7339, 15.0818, 15.0390



19.8169, 12.2079, 1.3119



1.5442, 1.0617, 0.1235

Inverse Universe

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



34.1957, 41.1141, 80.9960



38.4260, 45.9454, 101.4508



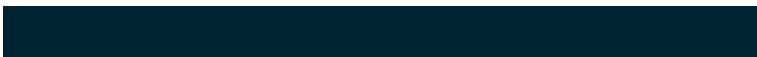
22.5004, 17.7236, 77.0976



14.4167, 15.5549, 18.3869



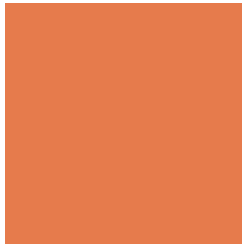
15.2958, 17.6537, 44.9845



1.2114, 1.4667, 3.3512

Previews

White Background



This preview shows how the XYZ color 41.0206, 31.5107, 10.7576 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 41.0206, 31.5107, 10.7576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

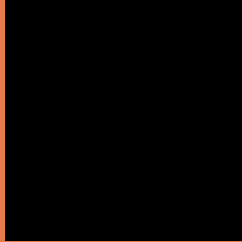
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.0206, 31.5107, 10.7576

Background



This preview shows how black text looks on a background with the XYZ color 41.0206, 31.5107, 10.7576.



This preview shows how white text looks on a background with the XYZ color 41.0206, 31.5107,

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

41.0206, 31.5107, 10.7576

Protanopia

29.2194, 31.7792, 13.3981

Deuteranopia

32.2490, 31.5245, 10.3464



Tritanopia

43.6672, 31.5269, 23.1858

Trichromacy



Original Color

41.0206, 31.5107, 10.7576

Protanomaly

32.6818, 31.0316, 12.2498

Deuteranomaly

35.0501, 31.2097, 10.4801

Tritanomaly

42.5294, 31.4110, 17.7313

Monochromacy



Original Color

41.0206, 31.5107, 10.7576

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.5436, 29.7699, 22.8225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0206, 31.5107, 10.7576 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(230, 123, 76)` looks like.

```
.text, #text, p{  
    color:rgb(230, 123, 76)  
}
```

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(230, 123, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 123, 76) }
```

Border

The CSS property to change the border of an element to XYZ 41.0206, 31.5107, 10.7576 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(230, 123, 76) }
```


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

```
.border{ border-color:rgb(230, 123, 76) }
```

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

Here you see how a box with a 4 pixel rgb(230, 123, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 123, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 123, 76);  
box-shadow:4px 4px 4px 4px rgb(230, 123,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0206, 31.5107, 10.7576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 123, 76) }
```

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

```
.background{ background-color: rgb(230,  
123, 76) }
```

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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