

Converting Colors

XYZ(39.2920, 31.1953, 3.9504)

Have a look what the booklet for
XYZ(39.2920, 31.1953, 3.9504)
contains.

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Color

**XYZ(39.3285, 31.1612,
3.9419)**

Conversions

Conversions Part 1

Format	Color
Hex	E47D00
RGB	228, 125, 0
RGB Percent	89%, 49%, 0%
CMY	0.1059, 0.5098, 1.0000
CMYK	0.00, 0.45, 1.00, 0.11
HSL	33°, 100%, 45%
HSV	33°, 100%, 89%
XYZ	39.3285, 31.1612, 3.9419
YIQ	141.5470, 101.5130, -17.0390

Conversions

Conversions Part 2

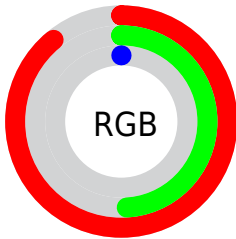
Format	Color
RYB	188, 228, 0
Decimal	14974208
CIELab	62.64, 33.61, 69.43
CIELCh	63, 77.135, 64.172
Yxy	31.1612, 0.5284, 0.4187
Android (android.graphics.Color)	4293164288 (0xFFE47D00)
YUV	141.5470, -69.7827, 75.8193
Hunter-Lab	55.8222, 28.0700, 34.8888

Details

The XYZ color **39.3285, 31.1612, 3.9419** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **18.8540, 15.3023, 75.3580**, and the grayscale version is **25.7722, 27.1143, 29.5275**.

A 20% lighter version of the original color is **58.2659, 53.5430, 13.0582**, and **18.0331, 13.0315, 1.5649** is the 20% darker color. If you saturate the color by 10%, you get **39.3286, 31.1617, 3.9420**, and if you desaturate by 10%, it is **40.8542, 33.9686, 5.2040**.

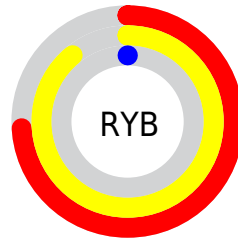
Distribution



Red (89%)

Green (49%)

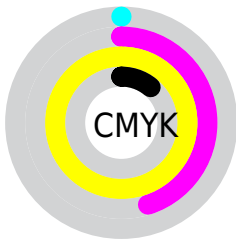
Blue (0%)



Red (74%)

Yellow (89%)

Blue (0%)

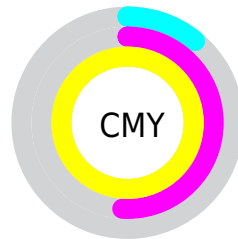


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3285, 31.1612, 3.9419 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 39.3285, 31.1612, 3.9419 by changing the saturation by 10% instead.


 39.3285, 31.1612,
3.9419


 39.3285, 31.1612,
3.9419


334.4683,
307.2803, 147.5774


 27.1972, 20.7216,
1.5935


 73.4307, 61.4938,
13.8755


 17.8588, 12.9207,
0.2862


 96.1325, 82.1556,
22.2979


 10.9477, 7.3739,
0.0000


 123.0884,
106.9936, 33.5820

 6.0987, 3.6970,
0.0000

 154.6638,
136.3921, 48.1463

 2.9464, 1.5056,
0.0000

 191.2242,
170.7357, 66.4095


 1.1255, 0.2926,
0.0000

 233.1348,


 0.0463, 0.0000,


210.4087, 88.7901


0.0000


 280.7611,
255.7954, 115.7065


 0.0000, 0.0000,
0.0000


 39.3285, 31.1612,
3.9419


 39.3285, 31.1612,
3.9419


 39.3286, 31.1617,
3.9420

 40.8542, 33.9686,
5.2040

 42.6984, 37.1246,
7.4599

 44.9233, 40.6616,
11.0154

 47.5656, 44.6001,
16.0467

 50.6570, 48.9582,
22.7024

■ 54.2253, 53.7525,
31.1126

■ 58.2957, 58.9983,
41.3941

■ 62.8914, 64.7100,
53.6535

■ 68.0340, 70.9011,
67.9895

Harmonies

Analogous

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



49.6926, 31.1612, 10.6908



39.3285, 31.1612, 3.9419



28.1710, 31.1612, 2.7475

Triad

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



39.3285, 31.1612, 3.9419



13.6830, 31.1612, 38.3187



42.4875, 31.1612, 107.9224

Complementary

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



39.3285, 31.1612, 3.9419



18.8540, 15.3023, 75.3580

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.



31.1132, 31.1612, 130.6431



39.3285, 31.1612, 3.9419



15.8415, 31.1612, 77.9522

Square

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



39.3285, 31.1612, 3.9419



14.8919, 31.1612, 14.4379



21.6536, 31.1612, 117.2927



51.7986, 31.1612, 65.9253

Rectangle

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



39.3285, 31.1612, 3.9419



22.0862, 31.1612, 3.7759



21.6536, 31.1612, 117.2927



38.6922, 31.1612, 118.9169

Sweetspot

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



39.3292, 31.1629, 3.9424



75.0355, 75.9131, 53.0811



34.6174, 17.5431, 15.3079



15.5681, 15.6201, 10.0975



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.



39.3292, 31.1629, 3.9424



50.5898, 39.9596, 5.0466



57.3795, 70.7644, 10.6350



15.0287, 15.6712, 15.1372



22.8300, 18.2342, 2.3163



1.7796, 1.5325, 0.2020

Inverse Universe

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



18.8540, 15.3023, 75.3580



24.2029, 19.5257, 97.1010



14.0988, 5.6507, 73.7457



14.1163, 14.9541, 18.2867



11.0016, 9.0653, 43.5531



0.9047, 0.8534, 3.2490

Previews

White Background



This preview shows how the XYZ color 39.3285, 31.1612, 3.9419 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 39.3285, 31.1612, 3.9419 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 39.3285, 31.1612, 3.9419

Background



This preview shows how black text looks on a background with the XYZ color 39.3285, 31.1612, 3.9419.



This preview shows how white text looks on a background with the XYZ color 39.3285, 31.1612,

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

39.3285, 31.1612, 3.9419

Protanopia

28.1404, 31.1614, 5.1477

Deuteranopia

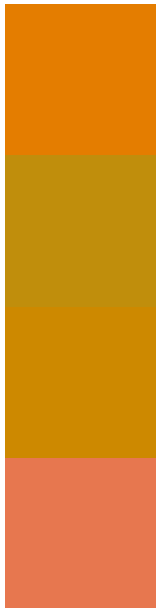
31.7115, 31.1530, 4.3418



Tritanopia

43.1622, 31.1018, 22.7971

Trichromacy



Original Color

39.3285, 31.1612, 3.9419

Protanomaly

31.4776, 30.5790, 4.5911

Deuteranomaly

34.1225, 30.8705, 4.1601

Tritanomaly

40.9631, 30.7471, 11.1729

Monochromacy



Original Color

39.3285, 31.1612, 3.9419

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.8832, 27.2307, 13.4593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3285, 31.1612, 3.9419 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(228, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 125, 0)  
}
```

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(228, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.3285, 31.1612, 3.9419 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(228, 125, 0) }
```


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

```
.border{ border-color:rgb(228, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(228, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(228, 125,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3285, 31.1612, 3.9419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 125, 0) }
```

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

```
.background{ background-color: rgb(228,  
125, 0) }
```

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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