

Converting Colors

XYZ(42.2531, 31.6638, 3.8848)

Have a look what the booklet for
XYZ(42.2531, 31.6638, 3.8848)
contains.

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Color

**XYZ(42.3131, 31.7837,
3.9047)**

Conversions

Conversions Part 1

Format	Color
Hex	EF7800
RGB	239, 120, 0
RGB Percent	94%, 47%, 0%
CMY	0.0627, 0.5294, 1.0000
CMYK	0.00, 0.50, 1.00, 0.06
HSL	30°, 100%, 47%
HSV	30°, 100%, 94%
XYZ	42.3131, 31.7837, 3.9047
YIQ	141.9010, 109.4440, -12.0920

Conversions

Conversions Part 2

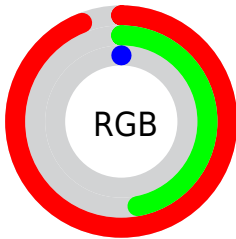
Format	Color
R_{YB}	237, 239, 0
Decimal	15693824
CIE _{Lab}	63.16, 40.56, 70.54
CIE _{LCh}	63, 81.365, 60.100
Yxy	31.7837, 0.5425, 0.4075
Android (android.graphics.Color)	4293883904 (0xFFEF7800)
YUV	141.9010, -69.9572, 85.1558
Hunter-Lab	56.3770, 35.3112, 35.3575

Details

The XYZ color **42.3131, 31.7837, 3.9047** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **22.1767, 19.4254, 84.2414**, and the grayscale version is **25.9111, 27.2605, 29.6867**.

A 20% lighter version of the original color is **57.4815, 51.9743, 12.7968**, and **19.8073, 13.3702, 1.5367** is the 20% darker color. If you saturate the color by 10%, you get **42.3133, 31.7845, 3.9049**, and if you desaturate by 10%, it is **43.9990, 34.8936, 5.2753**.

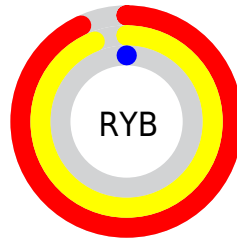
Distribution



Red (94%)

Green (47%)

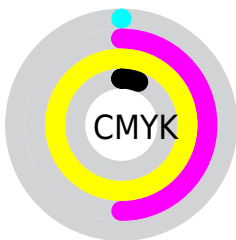
Blue (0%)



Red (93%)

Yellow (94%)

Blue (0%)

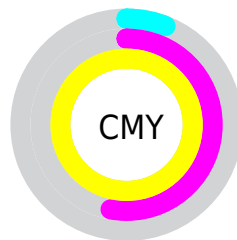


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3131, 31.7837, 3.9047 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 42.3131, 31.7837, 3.9047 by changing the saturation by 10% instead.

42.3131, 31.7837,
3.9047

42.3131, 31.7837,
3.9047

346.7488,
310.1328, 147.1601

29.5387, 21.1963,
1.5732

77.9355, 62.4718,
13.7894

19.6351, 13.2676,
0.2716

101.5142, 83.3414,
22.1796

12.2368, 7.6131,
0.0000

129.4250,
108.4072, 33.4266

6.9785, 3.8484,
0.0000

162.0333,
138.0535, 47.9487

3.4949, 1.5891,
0.0000

199.7045,
172.6649, 66.1646


1.4205, 0.3502,
0.0000

242.8039,


0.2708, 0.0000,


212.6256, 88.4928


0.0000


 291.6969,
258.3201, 115.3518


 0.0000, 0.0000,
0.0000


 42.3131, 31.7837,
3.9047


 42.3131, 31.7837,
3.9047


 42.3133, 31.7845,
3.9049

 43.9990, 34.8936,
5.2753

 46.0699, 38.4505,
7.7691

 48.5958, 42.4932,
11.7217

 51.6196, 47.0479,
17.3323

 55.1782, 52.1379,
24.7683

■ 59.3044, 57.7846,
34.1765

■ 64.0277, 64.0078,
45.6884

■ 69.3755, 70.8261,
59.4241

■ 75.3732, 78.2572,
75.4946

Harmonies

Analogous

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



53.0279, 31.7837, 11.9228



42.3131, 31.7837, 3.9047



30.1716, 31.7837, 2.2798

Triad

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



42.3131, 31.7837, 3.9047



13.3425, 31.7837, 34.7155



42.3952, 31.7837, 120.5144

Complementary

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



42.3131, 31.7837, 3.9047



22.1767, 19.4254, 84.2414

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.



30.2473, 31.7837, 140.7239



42.3131, 31.7837, 3.9047



15.1049, 31.7837, 75.8508

Square

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



42.3131, 31.7837, 3.9047



15.0811, 31.7837, 12.0153



20.6667, 31.7837, 120.7636



53.0830, 31.7837, 75.5345

Rectangle

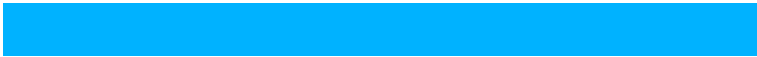
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3131, 31.7837, 3.9047



23.3747, 31.7837, 2.9516



20.6667, 31.7837, 120.7636



38.2615, 31.7837, 131.3374

Sweetspot

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



42.3138, 31.7854, 3.9052



74.1162, 74.0746, 52.7746



38.9565, 19.6948, 19.3599



15.3505, 15.1850, 10.0250



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.



42.3138, 31.7854, 3.9052



48.9642, 36.7083, 4.5047



66.4626, 80.0831, 11.9549



16.4286, 17.0704, 16.5787



23.5149, 17.8278, 2.2017



2.0557, 1.6822, 0.2163

Inverse Universe

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



22.1767, 19.4254, 84.2414



25.6344, 22.3888, 97.5781



15.5800, 6.2322, 82.0425



15.5474, 16.5289, 20.0926



12.3863, 10.9968, 46.5976



1.1299, 1.1138, 3.9096

Previews

White Background



This preview shows how the XYZ color 42.3131, 31.7837, 3.9047 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 42.3131, 31.7837, 3.9047 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 42.3131, 31.7837, 3.9047

Background



This preview shows how black text looks on a background with the XYZ color 42.3131, 31.7837, 3.9047.



This preview shows how white text looks on a background with the XYZ color 42.3131, 31.7837,

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

42.3131, 31.7837, 3.9047

Protanopia

28.9245, 32.0496, 5.3712

Deuteranopia

32.5270, 32.0271, 4.4675



Tritanopia

46.0861, 31.9749, 21.1955

Trichromacy



Original Color

42.3131, 31.7837, 3.9047

Protanomaly

32.7716, 31.2454, 4.6845

Deuteranomaly

35.5240, 31.5930, 4.2257

Tritanomaly

44.0532, 31.6605, 10.6267

Monochromacy



Original Color

42.3131, 31.7837, 3.9047

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.5020, 27.1355, 13.4083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3131, 31.7837, 3.9047 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(239, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(239, 120, 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(239, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 120, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.3131, 31.7837, 3.9047 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(239, 120, 0) }
```


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

```
.border{ border-color:rgb(239, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(239, 120,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3131, 31.7837, 3.9047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 120, 0) }
```

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

```
.background{ background-color: rgb(239,  
120, 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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