

Converting Colors

XYZ(41.1681, 31.6723, 3.9436)

Have a look what the booklet for
XYZ(41.1681, 31.6723, 3.9436)
contains.

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Color

**XYZ(41.3439, 31.8281,
3.9644)**

Conversions

Conversions Part 1

Format	Color
Hex	EB7B00
RGB	235, 123, 0
RGB Percent	92%, 48%, 0%
CMY	0.0784, 0.5176, 1.0000
CMYK	0.00, 0.48, 1.00, 0.08
HSL	31°, 100%, 46%
HSV	31°, 100%, 92%
XYZ	41.3439, 31.8281, 3.9644
YIQ	142.4660, 106.2350, -14.5090

Conversions

Conversions Part 2

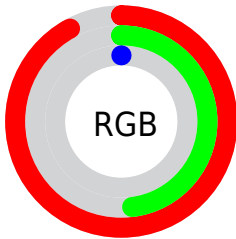
Format	Color
RYB	214, 235, 0
Decimal	15432448
CIELab	63.20, 37.46, 70.26
CIELCh	63, 79.628, 61.935
Yxy	31.8281, 0.5360, 0.4126
Android (android.graphics.Color)	4293622528 (0xFFEB7B00)
YUV	142.4660, -70.2357, 81.1523
Hunter-Lab	56.4164, 32.0823, 35.3251

Details

The XYZ color **41.3439, 31.8281, 3.9644** 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 **20.7897, 17.5868, 80.8954**, and the grayscale version is **26.1381, 27.4993, 29.9468**.

A 20% lighter version of the original color is **58.0995, 53.1592, 13.1598**, and **19.3306, 13.4054, 1.5687** is the 20% darker color. If you saturate the color by 10%, you get **41.3440, 31.8287, 3.9645**, and if you desaturate by 10%, it is **42.9742, 34.8335, 5.2962**.

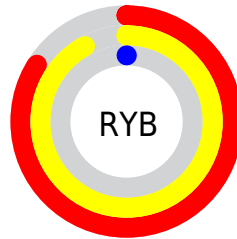
Distribution



Red (92%)

Green (48%)

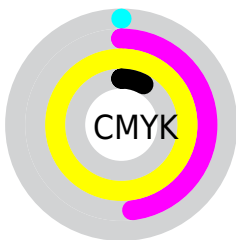
Blue (0%)



Red (84%)

Yellow (92%)

Blue (0%)

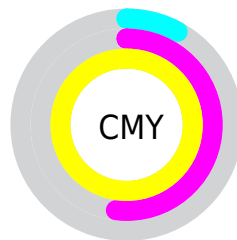


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3439, 31.8281, 3.9644 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 41.3439, 31.8281, 3.9644 by changing the saturation by 10% instead.


 41.3439, 31.8281,
3.9644


 41.3439, 31.8281,
3.9644


342.7940,
310.3354, 147.8289

 28.7768, 21.2302,
1.6058


 76.4771, 62.5415,
13.9276

 19.0554, 13.2924,
0.2950


 99.7738, 83.4258,
22.3693

 11.8146, 7.6302,
0.0000


 127.3778,
108.5078, 33.6757

 6.6888, 3.8592,
0.0000

 159.6544,
138.1717, 48.2655

 3.3129, 1.5951,
0.0000

 196.9690,
172.8021, 66.5572


 1.3213, 0.3543,
0.0000

 239.6869,


 0.1991, 0.0000,


212.7832, 88.9693


0.0000

 288.1734,
258.4995, 115.9203


 0.0000, 0.0000,
0.0000


 41.3439, 31.8281,
3.9644


 41.3439, 31.8281,
3.9644

 41.3440, 31.8287,
3.9645

 42.9742, 34.8335,
5.2962

 44.9616, 38.2427,
7.7022

 47.3728, 42.0916,
11.5067

 50.2483, 46.4040,
16.9004

 53.6228, 51.2008,
24.0435

■ 57.5270, 56.5013,
33.0767

■ 61.9887, 62.3231,
44.1259

■ 67.0336, 68.6830,
57.3061

■ 72.6854, 75.5968,
72.7237

Harmonies

Analogous

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



52.0072, 31.8281, 11.4616



41.3439, 31.8281, 3.9644



29.5425, 31.8281, 2.5166

Triad

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



41.3439, 31.8281, 3.9644



13.6438, 31.8281, 36.7429



42.8873, 31.8281, 115.7664

Complementary

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



41.3439, 31.8281, 3.9644



20.7897, 17.5868, 80.8954

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.



30.9720, 31.8281, 137.4185



41.3439, 31.8281, 3.9644



15.6083, 31.8281, 77.6320

Square

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



41.3439, 31.8281, 3.9644



15.1530, 31.8281, 13.2421



21.3453, 31.8281, 120.4010



53.0397, 31.8281, 71.7189

Rectangle

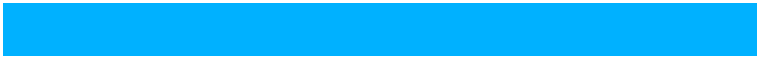
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.3439, 31.8281, 3.9644



23.0130, 31.8281, 3.3531



21.3453, 31.8281, 120.4010



38.8683, 31.8281, 126.7963

Sweetspot

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



41.3446, 31.8298, 3.9650



74.5383, 74.9186, 52.9153



37.2746, 18.8678, 17.4741



15.4503, 15.3846, 10.0583



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.



41.3446, 31.8298, 3.9650



49.6923, 38.1646, 4.7474



62.6898, 76.4188, 11.4465



15.7179, 16.3588, 15.8479



23.1389, 17.9719, 2.2494



1.9132, 1.6038, 0.2087

Inverse Universe

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



20.7897, 17.5868, 80.8954



24.9517, 21.0235, 97.3506



15.0445, 6.0236, 78.9663



14.8234, 15.7332, 19.1778



11.6962, 10.0394, 45.0643



1.0142, 0.9799, 3.5706

Previews

White Background



This preview shows how the XYZ color 41.3439, 31.8281, 3.9644 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 41.3439, 31.8281, 3.9644 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 41.3439, 31.8281, 3.9644

Background



This preview shows how black text looks on a background with the XYZ color 41.3439, 31.8281, 3.9644.



This preview shows how white text looks on a background with the XYZ color 41.3439, 31.8281,

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

41.3439, 31.8281, 3.9644

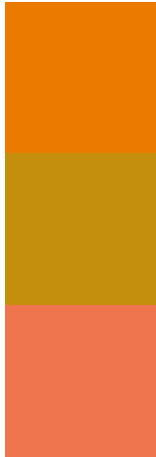
Protanopia

28.9154, 32.0459, 5.3233

Tritanopia

45.1268, 31.7905, 22.1701

Trichromacy



Original Color

41.3439, 31.8281, 3.9644

Protanomaly

32.6601, 31.4097, 4.7221

Tritanomaly

42.9963, 31.4498, 11.0120

Monochromacy



Original Color

41.3439, 31.8281, 3.9644

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.4139, 27.2962, 13.4440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3439, 31.8281, 3.9644 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(235, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 123, 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(235, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.3439, 31.8281, 3.9644 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(235, 123, 0) }
```

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

```
.border{ border-color:rgb(235, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 123,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 41.3439, 31.8281, 3.9644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 123, 0) }
```

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

```
.background{ background-color: rgb(235,  
123, 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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