

Converting Colors

XYZ(41.5298, 31.0119, 4.4589)

Have a look what the booklet for
XYZ(41.5298, 31.0119, 4.4589)
contains.

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Color

**XYZ(41.5298, 31.0119,
4.4589)**

Conversions

Conversions Part 1

Format	Color
Hex	ED7614
RGB	237, 118, 20
RGB Percent	93%, 46%, 8%
CMY	0.0706, 0.5372, 0.9215
CMYK	0.00, 0.50, 0.92, 0.07
HSL	27°, 86%, 50%
HSV	27°, 92%, 93%
XYZ	41.5298, 31.0119, 4.4589
YIQ	142.4090, 102.3820, -5.2500

Conversions

Conversions Part 2

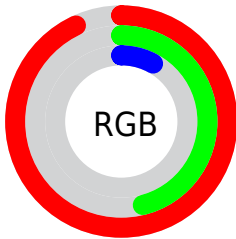
Format	Color
R _Y B	237, 199, 20
Decimal	15562260
CIE Lab	62.52, 40.97, 66.44
CIE LCh	63, 78.057, 58.337
Yxy	31.0119, 0.5393, 0.4027
Android (android.graphics.Color)	4293752340 (0xFFED7614)
YUV	142.4090, -60.3476, 82.9563
Hunter-Lab	55.6883, 35.6625, 34.2345

Details

The XYZ color **41.5298, 31.0119, 4.4589** 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 **24.8069, 24.7277, 83.5857**, and the grayscale version is **26.0781, 27.4362, 29.8781**.

A 20% lighter version of the original color is **57.3677, 51.3151, 14.0889**, and **19.4627, 13.0130, 1.4860** is the 20% darker color. If you saturate the color by 10%, you get **40.1864, 28.5275, 3.3883**, and if you desaturate by 10%, it is **43.4908, 34.4177, 6.7051**.

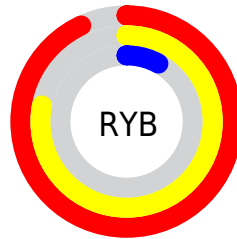
Distribution



Red (93%)

Green (46%)

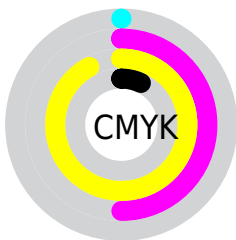
Blue (8%)



Red (93%)

Yellow (78%)

Blue (8%)

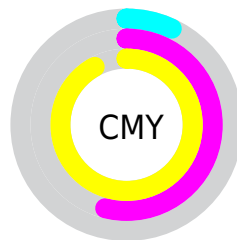


Cyan (0%)

Magenta (50%)

Yellow (92%)

Black (7%)



Cyan (7%)


Magenta (54%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5298, 31.0119, 4.4589 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 41.5298, 31.0119, 4.4589 by changing the saturation by 10% instead.


 41.5298, 31.0119,
4.4589


 41.5298, 31.0119,
4.4589

343.5549,
306.5931, 153.1971

 28.9228, 20.6079,
1.8803


 76.7571, 61.2588,
15.0550


 19.1664, 12.8377,
0.4802


 100.1082, 81.8705,
23.9096


 11.8953, 7.3169,
0.0000


 127.7713,
106.6536, 35.6933

 6.7441, 3.6611,
0.0000

 160.1118,
135.9924, 50.8247

 3.3475, 1.4858,
0.0000

 197.4950,
170.2714, 69.7222


 1.3401, 0.2787,
0.0000


 240.2864,


 0.2129, 0.0000,


209.8749, 92.8044


0.0000


 288.8513,
255.1873, 120.4898


 0.0000, 0.0000,
0.0000


 41.5298, 31.0119,
4.4589


 41.5298, 31.0119,
4.4589


 40.1864, 28.5275,
3.3883

 43.4908, 34.4177,
6.7051

 45.9234, 38.3611,
10.3583

 48.8741, 42.8743,
15.6211

 52.3815, 47.9844,
22.6622

 56.4802, 53.7164,
31.6286

61.2013, 60.0935,
42.6519

66.5736, 67.1373,
55.8517

72.6239, 74.8685,
71.3388

79.3773, 83.3067,
89.2159

Harmonies

Analogous

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



51.3173, 31.0119, 12.9377



41.5298, 31.0119, 4.4589



30.0716, 31.0119, 2.5675

Triad

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



41.5298, 31.0119, 4.4589



13.4284, 31.0119, 32.1002



40.2550, 31.0119, 115.6806

Complementary

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



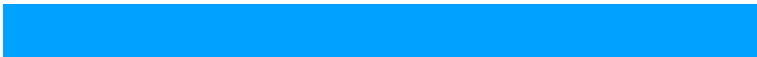
41.5298, 31.0119, 4.4589



24.8069, 24.7277, 83.5857

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.



28.8881, 31.0119, 132.2660



41.5298, 31.0119, 4.4589



14.9225, 31.0119, 69.7715

Square

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



41.5298, 31.0119, 4.4589



15.3015, 31.0119, 11.4502



20.0141, 31.0119, 111.8720



50.4657, 31.0119, 74.6424

Rectangle

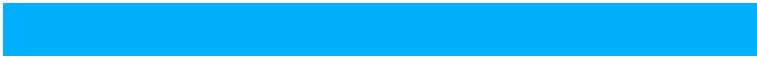
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5298, 31.0119, 4.4589



23.5138, 31.0119, 3.1324



20.0141, 31.0119, 111.8720



36.3692, 31.0119, 125.0907

Sweetspot

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



41.5305, 31.0136, 4.4594



74.9949, 74.5637, 56.9776



39.8611, 20.3793, 26.3940



15.5996, 15.3627, 11.0958



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.



41.5305, 31.0136, 4.4594



47.3898, 33.5595, 3.9799



62.2882, 72.5291, 11.3787



15.6257, 16.1744, 15.8171



22.0676, 15.8295, 1.8923



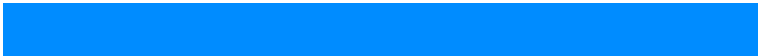
1.8277, 1.4328, 0.1802

Inverse Universe

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



24.8069, 24.7277, 83.5857



27.4037, 25.9275, 98.1679



16.0608, 7.2356, 80.6704



14.9159, 15.9182, 19.2086



12.8342, 12.3154, 45.4436



1.1037, 1.1589, 3.6004

Previews

White Background



This preview shows how the XYZ color 41.5298, 31.0119, 4.4589 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 41.5298, 31.0119, 4.4589 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 41.5298, 31.0119, 4.4589

Background



This preview shows how black text looks on a background with the XYZ color 41.5298, 31.0119, 4.4589.



This preview shows how white text looks on a background with the XYZ color 41.5298, 31.0119,

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

41.5298, 31.0119, 4.4589

Protanopia

28.2572, 31.2081, 5.7628

Deuteranopia

31.7115, 31.1530, 4.3418



Tritanopia

44.7220, 30.9615, 20.4487

Trichromacy



Original Color

41.5298, 31.0119, 4.4589

Protanomaly

32.0702, 30.4329, 5.1611

Deuteranomaly

34.7147, 30.7532, 4.3073

Tritanomaly

43.0247, 30.7702, 11.6542

Monochromacy



Original Color

41.5298, 31.0119, 4.4589

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.7236, 27.0040, 15.2537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5298, 31.0119, 4.4589 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(237, 118, 20)` looks like.

```
.text, #text, p{  
    color:rgb(237, 118, 20)  
}
```

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(237, 118, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 118, 20) }
```

Border

The CSS property to change the border of an element to XYZ 41.5298, 31.0119, 4.4589 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(237, 118, 20) }
```


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

```
.border{ border-color:rgb(237, 118, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 118, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 118, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 118, 20);  
box-shadow:4px 4px 4px 4px rgb(237, 118,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5298, 31.0119, 4.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 118, 20) }
```

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

```
.background{ background-color: rgb(237,  
118, 20) }
```

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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