

Converting Colors

XYZ(41.5599, 31.1679, 2.4952)

Have a look what the booklet for
XYZ(41.5599, 31.1679, 2.4952)
contains.

XYZ(41.8567, 31.3708, 3.8491)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.8567, 31.3708,
3.8491)**

Conversions

Conversions Part 1

Format	Color
Hex	EE7700
RGB	238, 119, 0
RGB Percent	93%, 47%, 0%
CMY	0.0667, 0.5333, 1.0000
CMYK	0.00, 0.50, 1.00, 0.07
HSL	30°, 100%, 47%
HSV	30°, 100%, 93%
XYZ	41.8567, 31.3708, 3.8491
YIQ	141.0150, 109.1230, -11.7810

Conversions

Conversions Part 2

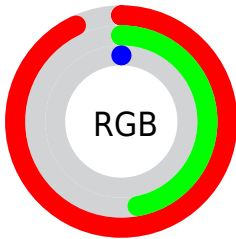
Format	Color
R _Y B	238, 238, 0
Decimal	15628032
CIE Lab	62.82, 40.67, 70.26
CIE LCh	63, 81.177, 59.937
Yxy	31.3708, 0.5431, 0.4070
Android (android.graphics.Color)	4293818112 (0xFFEE7700)
YUV	141.0150, -69.5204, 85.0558
Hunter-Lab	56.0096, 35.3784, 35.1322

Details

The XYZ color **41.8567, 31.3708, 3.8491** 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 **22.0294, 19.3667, 83.4652**, and the grayscale version is **25.5590, 26.8900, 29.2832**.

A 20% lighter version of the original color is **57.2891, 51.5893, 12.7326**, and **19.5227, 13.1329, 1.5059** is the 20% darker color. If you saturate the color by 10%, you get **41.8568, 31.3714, 3.8492**, and if you desaturate by 10%, it is **43.5263, 34.4499, 5.2092**.

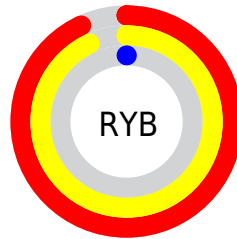
Distribution



Red (93%)

Green (47%)

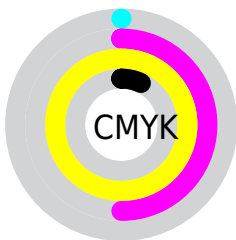
Blue (0%)



Red (93%)

Yellow (93%)

Blue (0%)

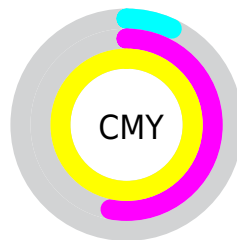


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8567, 31.3708, 3.8491 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 41.8567, 31.3708, 3.8491 by changing the saturation by 10% instead.


 41.8567, 31.3708,
3.8491


 41.8567, 31.3708,
3.8491


344.8903,
308.2430, 146.5331

 29.1797, 20.8814,
1.5429


 77.2492, 61.8234,
13.6602

 19.3618, 13.0373,
0.2496


 100.6955, 82.5553,
22.0022

 12.0375, 7.4542,
0.0000


 128.4622,
107.4702, 33.1933

 6.8416, 3.7478,
0.0000

 160.9148,
136.9525, 47.6519

 3.4087, 1.5335,
0.0000

 198.4185,
171.3865, 65.7967


 1.3734, 0.3121,
0.0000

 241.3387,


 0.2372, 0.0000,


211.1567, 88.0461


0.0000


 290.0409,
256.6473, 114.8187


 0.0000, 0.0000,
0.0000


 41.8567, 31.3708,
3.8491


 41.8567, 31.3708,
3.8491


 41.8568, 31.3714,
3.8492

 43.5263, 34.4499,
5.2092

 45.5785, 37.9742,
7.6817

 48.0826, 41.9823,
11.5994

 51.0813, 46.5003,
17.1594

 54.6111, 51.5515,
24.5276

■ 58.7044, 57.1571,
33.8489

■ 63.3906, 63.3368,
45.2538

■ 68.6969, 70.1092,
58.8612

■ 74.6484, 77.4919,
74.7808

Harmonies

Analogous

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



52.4383, 31.3708, 11.8115



41.8567, 31.3708, 3.8491



29.8405, 31.3708, 2.2299

Triad

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



41.8567, 31.3708, 3.8491



13.1439, 31.3708, 34.0902



41.8057, 31.3708, 119.3977

Complementary

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



41.8567, 31.3708, 3.8491



22.0294, 19.3667, 83.4652

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.



29.7935, 31.3708, 139.2138



41.8567, 31.3708, 3.8491



14.8658, 31.3708, 74.7161

Square

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



41.8567, 31.3708, 3.8491



14.8806, 31.3708, 11.7541



20.3405, 31.3708, 119.2428



52.4040, 31.3708, 74.9126

Rectangle

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



41.8567, 31.3708, 3.8491



23.1067, 31.3708, 2.8791



20.3405, 31.3708, 119.2428



37.7149, 31.3708, 130.0618

Sweetspot

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



41.8574, 31.3725, 3.8496



74.0750, 73.9920, 52.7609



38.5897, 19.5092, 19.1858



15.3408, 15.1655, 10.0218



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.



41.8574, 31.3725, 3.8496



48.8947, 36.5693, 4.4816



65.8339, 79.3255, 11.8418



16.4258, 17.0647, 16.5778



23.4816, 17.7612, 2.1906



2.0529, 1.6766, 0.2154

Inverse Universe

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



22.0294, 19.3667, 83.4652



25.7036, 22.5271, 97.6012



15.4327, 6.1732, 81.2663



15.5502, 16.5346, 20.0935



12.4194, 11.0631, 46.6087



1.1327, 1.1193, 3.9106

Previews

White Background



This preview shows how the XYZ color 41.8567, 31.3708, 3.8491 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 41.8567, 31.3708, 3.8491 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 41.8567, 31.3708, 3.8491

Background



This preview shows how black text looks on a background with the XYZ color 41.8567, 31.3708, 3.8491.



This preview shows how white text looks on a background with the XYZ color 41.8567, 31.3708,

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

41.8567, 31.3708, 3.8491

Protanopia

28.5398, 31.6073, 5.3061

Deuteranopia

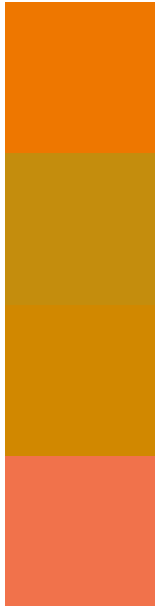
32.1177, 31.5883, 4.4044



Tritanopia

45.5724, 31.5541, 20.8282

Trichromacy



Original Color

41.8567, 31.3708, 3.8491

Protanomaly

32.3625, 30.8146, 4.6229

Deuteranomaly

35.0987, 31.1636, 4.1653

Tritanomaly

43.5629, 31.2434, 10.3912

Monochromacy



Original Color

41.8567, 31.3708, 3.8491

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

28.1375, 26.7433, 13.3518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8567, 31.3708, 3.8491 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(238, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 119, 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(238, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.8567, 31.3708, 3.8491 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(238, 119, 0) }
```


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

```
.border{ border-color:rgb(238, 119, 0) }
```

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

Here you see how a box with a 4 pixel rgb(238, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8567, 31.3708, 3.8491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 119, 0) }
```

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

```
.background{ background-color: rgb(238,  
119, 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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