

Converting Colors

XYZ(46.4465, 34.4214, 4.1960)

Have a look what the booklet for
XYZ(46.4465, 34.4214, 4.1960)
contains.

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Color

**XYZ(46.5073, 34.4899,
4.2060)**

Conversions

Conversions Part 1

Format	Color
Hex	FA7B00
RGB	250, 123, 0
RGB Percent	98%, 48%, 0%
CMY	0.0196, 0.5176, 1.0000
CMYK	0.00, 0.51, 1.00, 0.02
HSL	30°, 100%, 49%
HSV	30°, 100%, 98%
XYZ	46.5073, 34.4899, 4.2060
YIQ	146.9510, 115.1750, -11.3290

Conversions

Conversions Part 2

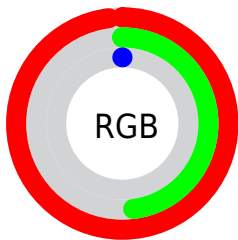
Format	Color
RYB	250, 242, 0
Decimal	16415488
CIELab	65.35, 43.36, 72.65
CIELCh	65, 84.604, 59.172
Yxy	34.4899, 0.5458, 0.4048
Android (android.graphics.Color)	4294605568 (0xFFFA7B00)
YUV	146.9510, -72.4468, 90.3740
Hunter-Lab	58.7281, 38.5815, 36.8634

Details

The XYZ color **46.5073, 34.4899, 4.2060** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **24.8446, 22.0807, 93.3943**, and the grayscale version is **27.9713, 29.4280, 32.0471**.

A 20% lighter version of the original color is **58.1318, 53.1722, 13.3303**, and **22.5029, 14.9456, 1.6987** is the 20% darker color. If you saturate the color by 10%, you get **46.5075, 34.4907, 4.2062**, and if you desaturate by 10%, it is **48.3626, 37.9202, 5.6905**.

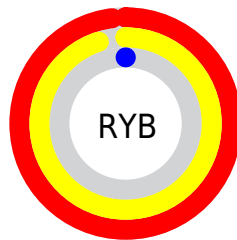
Distribution



Red (98%)

Green (48%)

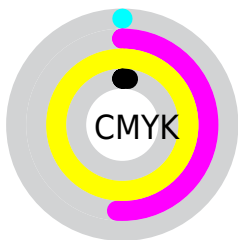
Blue (0%)



Red (98%)

Yellow (95%)

Blue (0%)

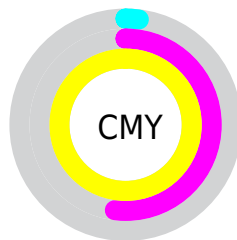


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5073, 34.4899, 4.2060 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 46.5073, 34.4899, 4.2060 by changing the saturation by 10% instead.


 46.5073, 34.4899,
4.2060


 46.5073, 34.4899,
4.2060


363.5263,
322.3110, 150.4883


 32.8526, 23.2702,
1.7390


 84.2009, 66.6948,
14.4821


 22.1723, 14.7932,
0.3873


 108.9706, 88.4488,
23.1284


 14.1009, 8.6743,
0.0000


 138.1760,
114.4830, 34.6715

 8.2730, 4.5294,
0.0000

 172.1825,
145.1818, 49.5299

 4.3234, 1.9739,
0.0000

 211.3554,
180.9296, 68.1223


 1.8867, 0.5922,
0.0000

 256.0601,


 0.5691, 0.0000,


222.1108, 90.8671


0.0000


 306.6619,
269.1098, 118.1829


 0.0000, 0.0000,
0.0000

 46.5073, 34.4899,
4.2060


 46.5073, 34.4899,
4.2060


 46.5075, 34.4907,
4.2062

 48.3626, 37.9202,
5.6905

 50.6538, 41.8620,
8.4290

 53.4578, 46.3590,
12.7887

 56.8233, 51.4414,
18.9929

 60.7919, 57.1360,
27.2290

65.4004, 63.4675,
37.6610

70.6824, 70.4587,
50.4360

76.6687, 78.1311,
65.6883

83.3880, 86.5050,
83.5418

Harmonies

Analogous

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



58.1721, 34.4899, 13.2140



46.5073, 34.4899, 4.2060



33.1258, 34.4899, 2.3473

Triad

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



46.5073, 34.4899, 4.2060



14.3192, 34.4899, 36.5798



45.7612, 34.4899, 133.6306

Complementary

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



46.5073, 34.4899, 4.2060



24.8446, 22.0807, 93.3943

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.



32.4398, 34.4899, 154.7261



46.5073, 34.4899, 4.2060



16.1211, 34.4899, 81.3714

Square

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



46.5073, 34.4899, 4.2060



16.3358, 34.4899, 12.3840



22.0631, 34.4899, 131.3540



57.6708, 34.4899, 84.2539

Rectangle

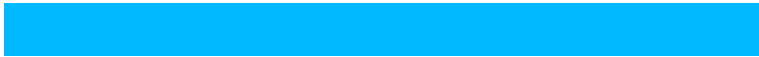
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.5073, 34.4899, 4.2060



25.5903, 34.4899, 2.9911



22.0631, 34.4899, 131.3540



41.2079, 34.4899, 145.2579

Sweetspot

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



46.5080, 34.4918, 4.2066



73.9178, 73.6776, 52.7085



43.3979, 21.9135, 22.7707



15.3037, 15.0913, 10.0094



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.



46.5080, 34.4918, 4.2066



48.6325, 36.0451, 4.3942



72.3289, 86.1336, 12.8136



17.9498, 18.6355, 18.1134



24.8126, 18.5818, 2.2789



2.4039, 1.9327, 0.2463

Inverse Universe

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



24.8446, 22.0807, 93.3943



25.9710, 23.0620, 97.6903



17.3006, 6.9928, 90.8797



17.0119, 18.1007, 21.9825



13.3225, 12.0007, 49.5877



1.3400, 1.3237, 4.6280

Previews

White Background



This preview shows how the XYZ color 46.5073, 34.4899, 4.2060 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 46.5073, 34.4899, 4.2060 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 46.5073, 34.4899, 4.2060

Background



This preview shows how black text looks on a background with the XYZ color 46.5073, 34.4899, 4.2060.



This preview shows how white text looks on a background with the XYZ color 46.5073, 34.4899,

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

46.5073, 34.4899, 4.2060

Protanopia

31.3060, 34.7832, 5.8229

Deuteranopia

35.1540, 34.5507, 4.8161



Tritanopia

50.4032, 34.5106, 22.4170

Trichromacy



Original Color

46.5073, 34.4899, 4.2060

Protanomaly

35.6898, 33.8783, 5.0736

Deuteranomaly

38.7383, 34.1098, 4.5421

Tritanomaly

48.2444, 34.1553, 11.2576

Monochromacy



Original Color

46.5073, 34.4899, 4.2060

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.8760, 29.1755, 14.5938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5073, 34.4899, 4.2060 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(250, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 123, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.5073, 34.4899, 4.2060 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(250, 123, 0) }
```


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

```
.border{ border-color:rgb(250, 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(250, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 123,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5073, 34.4899, 4.2060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 123, 0) }
```

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

```
.background{ background-color: rgb(250,  
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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