

Converting Colors

XYZ(46.4214, 31.5659, 3.8328)

Have a look what the booklet for
XYZ(46.4214, 31.5659, 3.8328)
contains.

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Color

**XYZ(46.4324, 31.5834,
3.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6A07
RGB	255, 106, 7
RGB Percent	100%, 42%, 3%
CMY	0.0000, 0.5843, 0.9725
CMYK	0.00, 0.58, 0.97, 0.00
HSL	24°, 100%, 51%
HSV	24°, 97%, 100%
XYZ	46.4324, 31.5834, 3.8500
YIQ	139.2650, 120.5830, 0.7990

Conversions

Conversions Part 2

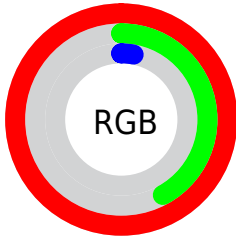
Format	Color
RYB	255, 172, 7
Decimal	16738823
CIELab	63.00, 53.29, 70.56
CIELCh	63, 88.418, 52.940
Yxy	31.5834, 0.5672, 0.3858
Android (android.graphics.Color)	4294928903 (0xFFFF6A07)
YUV	139.2650, -65.2066, 101.4996
Hunter-Lab	56.1991, 49.1305, 35.2776

Details

The XYZ color **46.4324, 31.5834, 3.8500** 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 **30.0257, 31.0414, 99.0161**, and the grayscale version is **24.8556, 26.1500, 28.4774**.

A 20% lighter version of the original color is **55.1546, 47.2176, 12.3378**, and **22.3758, 13.2284, 1.3740** is the 20% darker color. If you saturate the color by 10%, you get **45.9713, 30.7231, 3.5072**, and if you desaturate by 10%, it is **48.3848, 35.1219, 5.6320**.

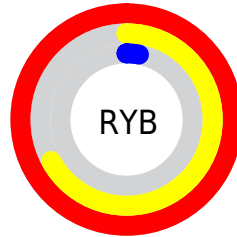
Distribution



Red (100%)

Green (42%)

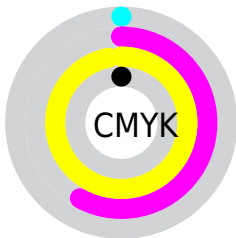
Blue (3%)



Red (100%)

Yellow (67%)

Blue (3%)

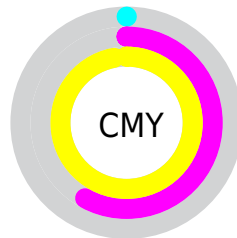


Cyan (0%)

Magenta (58%)

Yellow (97%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4324, 31.5834, 3.8500 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 46.4324, 31.5834, 3.8500 by changing the saturation by 10% instead.


 46.4324, 31.5834,
3.8500


 46.4324, 31.5834,
3.8500


363.2312,
309.2171, 146.5432


 32.7932, 21.0435,
1.5434


 84.0897, 62.1574,
13.6623


 22.1266, 13.1558,
0.2500


 108.8385, 82.9603,
22.0051


 14.0671, 7.5359,
0.0000


 138.0212,
107.9530, 33.1971

 8.2493, 3.7995,
0.0000

 172.0032,
137.5199, 47.6568

 4.3080, 1.5620,
0.0000

 211.1499,
172.0453, 65.8027


 1.8778, 0.3318,
0.0000

 255.8265,


 0.5639, 0.0000,


211.9138, 88.0534


0.0000


 306.3985,
257.5096, 114.8274


 0.0000, 0.0000,
0.0000


 46.4324, 31.5834,
3.8500


 46.4324, 31.5834,
3.8500


 45.9713, 30.7231,
3.5072

 48.3848, 35.1219,
5.6320

 50.8995, 39.3572,
8.9181

 54.0440, 44.3388,
13.9967

 57.8722, 50.1078,
21.0918

 62.4313, 56.7014,
30.3944

67.7635, 64.1541,
42.0727

73.9074, 72.4983,
56.2787

80.8989, 81.7641,
73.1512

88.7713, 91.9805,
92.8193

Harmonies

Analogous

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



57.1147, 31.5834, 14.3331



46.4324, 31.5834, 3.8500



32.9860, 31.5834, 1.5484

Triad

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



46.4324, 31.5834, 3.8500



12.2784, 31.5834, 26.7967



40.0873, 31.5834, 140.2837

Complementary

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



46.4324, 31.5834, 3.8500



30.0257, 31.0414, 99.0161

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.



27.2356, 31.5834, 152.8683



46.4324, 31.5834, 3.8500



13.2229, 31.5834, 67.6543

Square

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



46.4324, 31.5834, 3.8500



14.9577, 31.5834, 7.7589



18.0165, 31.5834, 120.3001



52.8142, 31.5834, 92.5992

Rectangle

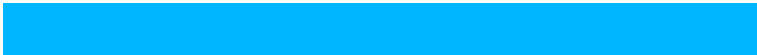
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



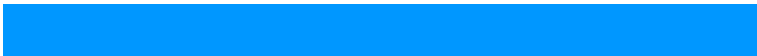
46.4324, 31.5834, 3.8500



25.0811, 31.5834, 1.7043



18.0165, 31.5834, 120.3001



35.5660, 31.5834, 149.6657

Sweetspot

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



46.4331, 31.5852, 3.8505



72.7736, 70.9743, 53.6068



47.6553, 23.9478, 35.3390



15.0072, 14.4204, 10.1508



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.



46.4331, 31.5852, 3.8505



45.9717, 30.7233, 3.5072



68.4926, 75.7043, 11.2037



18.6044, 19.1770, 18.8653



24.1574, 16.3260, 1.8780



2.4555, 1.7963, 0.2173

Inverse Universe

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



30.0257, 31.0414, 99.0161



29.4741, 30.0682, 98.8580



18.7667, 8.5233, 95.2631



17.9108, 19.1933, 23.0106



15.5509, 16.0114, 51.7055



1.6211, 1.7728, 5.0700

Previews

White Background



This preview shows how the XYZ color 46.4324, 31.5834, 3.8500 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 46.4324, 31.5834, 3.8500 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 46.4324, 31.5834, 3.8500

Background



This preview shows how black text looks on a background with the XYZ color 46.4324, 31.5834, 3.8500.



This preview shows how white text looks on a background with the XYZ color 46.4324, 31.5834,

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

46.4324, 31.5834, 3.8500

Protanopia

28.5909, 31.6277, 5.5751

Deuteranopia

32.1177, 31.5883, 4.4044



Tritanopia

48.5475, 31.6289, 17.4562

Trichromacy



Original Color

46.4324, 31.5834, 3.8500

Protanomaly

33.2788, 30.2119, 4.6936

Deuteranomaly

36.4516, 30.8381, 4.1173

Tritanomaly

47.2276, 31.4154, 9.5359

Monochromacy



Original Color

46.4324, 31.5834, 3.8500

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

28.5338, 25.7578, 13.3654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4324, 31.5834, 3.8500 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(255, 106, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 7)  
}
```

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(255, 106, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 7) }
```

Border

The CSS property to change the border of an element to XYZ 46.4324, 31.5834, 3.8500 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(255, 106, 7) }
```


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

```
.border{ border-color:rgb(255, 106, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4324, 31.5834, 3.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 7) }
```

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

```
.background{ background-color: rgb(255,  
106, 7) }
```

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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