

Converting Colors

XYZ(46.8598, 32.4294, 4.0194)

Have a look what the booklet for
XYZ(46.8598, 32.4294, 4.0194)
contains.

XYZ(46.8598, 32.4294, 4.0194)	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(46.8598, 32.4294,
4.0194)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6E08
RGB	255, 110, 8
RGB Percent	100%, 43%, 3%
CMY	0.0000, 0.5686, 0.9686
CMYK	0.00, 0.57, 0.97, 0.00
HSL	25°, 100%, 52%
HSV	25°, 97%, 100%
XYZ	46.8598, 32.4294, 4.0194
YIQ	141.7270, 119.1620, -0.9820

Conversions

Conversions Part 2

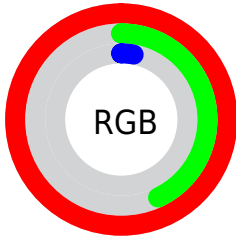
Format	Color
R _Y B	255, 182, 8
Decimal	16739848
CIE Lab	63.70, 51.48, 70.81
CIE LCh	64, 87.547, 53.986
Yxy	32.4294, 0.5625, 0.3893
Android (android.graphics.Color)	4294929928 (0xFFFF6E08)
YUV	141.7270, -65.9274, 99.3404
Hunter-Lab	56.9468, 47.2253, 35.6780

Details

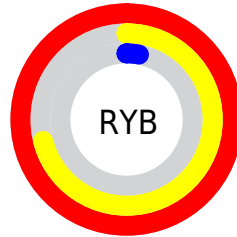
The XYZ color **46.8598, 32.4294, 4.0194** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **29.5407, 30.0527, 98.8509**, and the grayscale version is **25.8240, 27.1689, 29.5869**.

A 20% lighter version of the original color is **55.8977, 48.6513, 12.7478**, and **22.6494, 13.7755, 1.4652** is the 20% darker color. If you saturate the color by 10%, you get **46.3229, 31.4262, 3.6244**, and if you desaturate by 10%, it is **48.8522, 36.0342, 5.8568**.

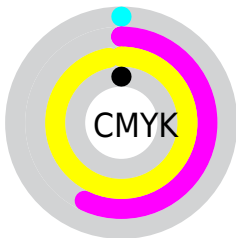
Distribution



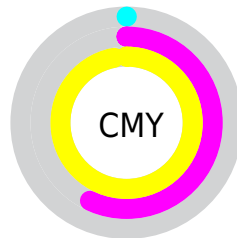
- Red (100%)
- Green (43%)
- Blue (3%)



- Red (100%)
- Yellow (71%)
- Blue (3%)



- Cyan (0%)
- Magenta (57%)
- Yellow (97%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8598, 32.4294, 4.0194 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 46.8598, 32.4294, 4.0194 by changing the saturation by 10% instead.


 46.8598, 32.4294,
4.0194


 46.8598, 32.4294,
4.0194


364.9129,
313.0707, 148.4408

 33.1323, 21.6897,
1.6360


 84.7243, 63.4836,
14.0545

 22.3875, 13.6291,
0.3163


 109.5921, 84.5670,
22.5432


 14.2601, 7.8631,
0.0000


 138.9040,
109.8670, 33.9042

 8.3847, 4.0075,
0.0000

 173.0254,
139.7680, 48.5559

 4.3960, 1.6778,
0.0000

 212.3216,
174.6545, 66.9168


 1.9285, 0.4092,
0.0000

 257.1580,


 0.5933, 0.0000,


214.9109, 89.4056


0.0000


 307.9000,
260.9215, 116.4407


 0.0000, 0.0000,
0.0000


 46.8598, 32.4294,
4.0194


 46.8598, 32.4294,
4.0194


 46.3229, 31.4262,
3.6244

 48.8522, 36.0342,
5.8568

 51.3996, 40.3164,
9.2112

 54.5672, 45.3227,
14.3639

 58.4077, 51.0921,
21.5368

 62.9670, 57.6603,
30.9195

68.2865, 65.0599,
42.6794

74.4040, 73.3215,
56.9675

81.3544, 82.4742,
73.9221

89.1705, 92.5453,
93.6715

Harmonies

Analogous

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



57.7568, 32.4294, 14.3665



46.8598, 32.4294, 4.0194



33.3588, 32.4294, 1.7365

Triad

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



46.8598, 32.4294, 4.0194



12.8249, 32.4294, 28.7003



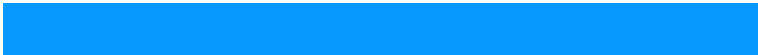
41.4298, 32.4294, 139.8336

Complementary

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



46.8598, 32.4294, 4.0194



29.5407, 30.0527, 98.8509

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.



28.4194, 32.4294, 153.9418



46.8598, 32.4294, 4.0194



13.9164, 32.4294, 70.4657

Square

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



46.8598, 32.4294, 4.0194



15.4207, 32.4294, 8.6362



18.9393, 32.4294, 122.8698



54.0847, 32.4294, 91.7172

Rectangle

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



46.8598, 32.4294, 4.0194



25.4713, 32.4294, 1.9645



18.9393, 32.4294, 122.8698



36.8767, 32.4294, 149.6344

Sweetspot

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



46.8605, 32.4312, 4.0199



73.0267, 71.4804, 53.6911



47.3445, 23.8408, 33.6486



15.0668, 14.5397, 10.1707



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.



46.8605, 32.4312, 4.0199



46.3232, 31.4264, 3.6244



69.6639, 78.0381, 11.6211



18.6255, 19.2192, 18.8723



24.3435, 16.6982, 1.9400



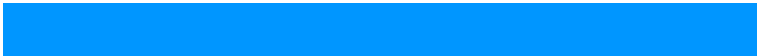
2.4748, 1.8350, 0.2238

Inverse Universe

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



29.5407, 30.0527, 98.8509



28.9070, 28.9339, 98.6690



18.6858, 8.3430, 95.2326



17.8892, 19.1500, 23.0034



15.2553, 15.4201, 51.6069



1.5931, 1.7169, 5.0607

Previews

White Background



This preview shows how the XYZ color 46.8598, 32.4294, 4.0194 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 46.8598, 32.4294, 4.0194 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 46.8598, 32.4294, 4.0194

Background



This preview shows how black text looks on a background with the XYZ color 46.8598, 32.4294, 4.0194.



This preview shows how white text looks on a background with the XYZ color 46.8598, 32.4294,

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

46.8598, 32.4294, 4.0194

Protanopia

29.3634, 32.5159, 5.7059

Deuteranopia

32.9394, 32.4695, 4.5312



Tritanopia

49.1608, 32.5108, 18.7231

Trichromacy



Original Color

46.8598, 32.4294, 4.0194

Protanomaly

33.9788, 31.2088, 4.8491

Deuteranomaly

37.1568, 31.8085, 4.2674

Tritanomaly

47.7337, 32.2698, 10.1914

Monochromacy



Original Color

46.8598, 32.4294, 4.0194

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.4869, 26.8229, 13.9791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8598, 32.4294, 4.0194 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, 110, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 8)  
}
```

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, 110, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 8) }
```

Border

The CSS property to change the border of an element to XYZ 46.8598, 32.4294, 4.0194 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, 110, 8) }
```


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

```
.border{ border-color:rgb(255, 110, 8) }
```

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

Here you see how a box with a 4 pixel rgb(255, 110, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8598, 32.4294, 4.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 8) }
```

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

```
.background{ background-color: rgb(255,  
110, 8) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor