

Converting Colors

XYZ(46.7792, 32.2534, 4.0383)

Have a look what the booklet for
XYZ(46.7792, 32.2534, 4.0383)
contains.

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Color

**XYZ(46.7634, 32.2192,
4.0414)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6D0A
RGB	255, 109, 10
RGB Percent	100%, 43%, 4%
CMY	0.0000, 0.5725, 0.9608
CMYK	0.00, 0.57, 0.96, 0.00
HSL	24°, 100%, 52%
HSV	24°, 96%, 100%
XYZ	46.7634, 32.2192, 4.0414
YIQ	141.3680, 118.7950, 0.1630

Conversions

Conversions Part 2

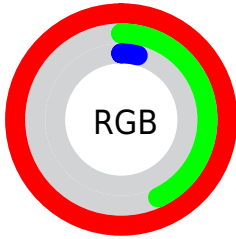
Format	Color
R _Y B	255, 176, 10
Decimal	16739594
CIE Lab	63.52, 51.95, 70.40
CIE LCh	64, 87.488, 53.574
Yxy	32.2192, 0.5633, 0.3881
Android (android.graphics.Color)	4294929674 (0xFFFF6D0A)
YUV	141.3680, -64.7644, 99.6553
Hunter-Lab	56.7620, 47.7240, 35.5120

Details

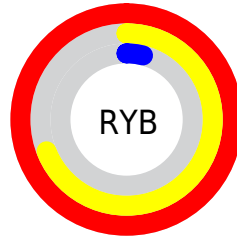
The XYZ color **46.7634, 32.2192, 4.0414** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **30.0631, 31.0606, 99.0177**, and the grayscale version is **25.6777, 27.0149, 29.4192**.

A 20% lighter version of the original color is **55.7181, 48.2920, 12.6879**, and **22.5544, 13.5855, 1.4335** is the 20% darker color. If you saturate the color by 10%, you get **46.0944, 30.9694, 3.5483**, and if you desaturate by 10%, it is **48.7839, 35.8509, 5.9786**.

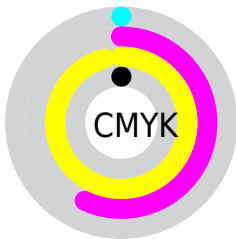
Distribution



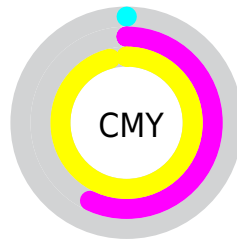
- Red (100%)
- Green (43%)
- Blue (4%)



- Red (100%)
- Yellow (69%)
- Blue (4%)



- Cyan (0%)
- Magenta (57%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7634, 32.2192, 4.0414 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 46.7634, 32.2192, 4.0414 by changing the saturation by 10% instead.


 46.7634, 32.2192,
4.0414


 46.7634, 32.2192,
4.0414


364.5340,
312.1166, 148.6844


 33.0558, 21.5290,
1.6481


 84.5812, 63.1546,
14.1051


 22.3286, 13.5112,
0.3248


 109.4222, 84.1685,
22.6126


 14.2165, 7.7815,
0.0000


 138.7050,
109.3925, 33.9953

 8.3541, 3.9555,
0.0000

 172.7950,
139.2109, 48.6716

 4.3761, 1.6487,
0.0000

 212.0575,
174.0081, 67.0601


 1.9170, 0.3901,
0.0000

 256.8580,


 0.5867, 0.0000,


214.1685, 89.5794


0.0000


 307.5617,
260.0765, 116.6480


 0.0000, 0.0000,
0.0000


 46.7634, 32.2192,
4.0414


 46.7634, 32.2192,
4.0414


 46.0944, 30.9694,
3.5483

 48.7839, 35.8509,
5.9786

 51.3728, 40.1781,
9.4635

 54.5940, 45.2481,
14.7680

 58.5002, 51.1009,
22.1116

 63.1375, 57.7726,
31.6817

68.5474, 65.2970,
43.6445

74.7680, 73.7055,
58.1500

81.8344, 83.0277,
75.3358

89.7796, 93.2919,
95.3298

Harmonies

Analogous

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



57.5346, 32.2192, 14.4945



46.7634, 32.2192, 4.0414



33.3233, 32.2192, 1.7188

Triad

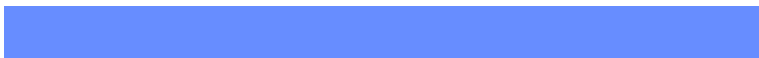
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.7634, 32.2192, 4.0414



12.7325, 32.2192, 28.0894



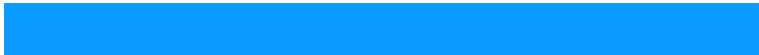
40.9911, 32.2192, 139.6455

Complementary

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



46.7634, 32.2192, 4.0414



30.0631, 31.0606, 99.0177

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.



28.0733, 32.2192, 153.0714



46.7634, 32.2192, 4.0414



13.7674, 32.2192, 69.3757

Square

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



46.7634, 32.2192, 4.0414



15.3656, 32.2192, 8.4060



18.7036, 32.2192, 121.6060



53.6307, 32.2192, 91.9727

Rectangle

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



46.7634, 32.2192, 4.0414



25.4430, 32.2192, 1.9210



18.7036, 32.2192, 121.6060



36.4631, 32.2192, 149.2218

Sweetspot

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



46.7641, 32.2210, 4.0419



72.8633, 71.1537, 53.6367



47.4343, 23.9115, 34.0147



15.0283, 14.4626, 10.1578



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.



46.7641, 32.2210, 4.0419



46.0948, 30.9697, 3.5483



69.7306, 78.1540, 11.6974



18.6119, 19.1920, 18.8678



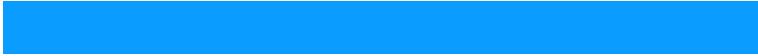
24.2226, 16.4565, 1.8997



2.4623, 1.8099, 0.2196

Inverse Universe

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



30.0631, 31.0606, 99.0177



29.2707, 29.6615, 98.7902



18.7617, 8.4578, 95.2505



17.9031, 19.1779, 23.0081



15.4449, 15.7994, 51.6701



1.6111, 1.7528, 5.0667

Previews

White Background



This preview shows how the XYZ color 46.7634, 32.2192, 4.0414 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 46.7634, 32.2192, 4.0414 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 46.7634, 32.2192, 4.0414

Background



This preview shows how black text looks on a background with the XYZ color 46.7634, 32.2192, 4.0414.



This preview shows how white text looks on a background with the XYZ color 46.7634, 32.2192,

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

46.7634, 32.2192, 4.0414

Protanopia

29.3634, 32.5159, 5.7059

Deuteranopia

32.7846, 32.1599, 4.4795



Tritanopia

49.0048, 32.2864, 18.4009

Trichromacy



Original Color

46.7634, 32.2192, 4.0414

Protanomaly

33.8433, 30.9240, 4.8470

Deuteranomaly

37.0247, 31.5355, 4.2504

Tritanomaly

47.6301, 32.0625, 10.1569

Monochromacy



Original Color

46.7634, 32.2192, 4.0414

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

29.1174, 26.4359, 13.9239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7634, 32.2192, 4.0414 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, 109, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 10)  
}
```

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, 109, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 10) }
```

Border

The CSS property to change the border of an element to XYZ 46.7634, 32.2192, 4.0414 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, 109, 10) }
```


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

```
.border{ border-color:rgb(255, 109, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7634, 32.2192, 4.0414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 10) }
```

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

```
.background{ background-color: rgb(255,  
109, 10) }
```

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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