

Converting Colors

XYZ(48.4708, 35.6769, 4.4781)

Have a look what the booklet for
XYZ(48.4708, 35.6769, 4.4781)
contains.

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Color

**XYZ(48.4750, 35.6863,
4.4768)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7C05
RGB	255, 124, 5
RGB Percent	100%, 49%, 2%
CMY	0.0000, 0.5137, 0.9804
CMYK	0.00, 0.51, 0.98, 0.00
HSL	29°, 100%, 51%
HSV	29°, 98%, 100%
XYZ	48.4750, 35.6863, 4.4768
YIQ	149.6030, 116.2750, -9.2370

Conversions

Conversions Part 2

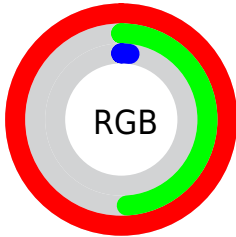
Format	Color
R _Y B	255, 232, 5
Decimal	16743429
CIE Lab	66.28, 44.83, 72.83
CIE LCh	66, 85.522, 58.388
Yxy	35.6863, 0.5469, 0.4026
Android (android.graphics.Color)	4294933509 (0xFFFF7C05)
YUV	149.6030, -71.2893, 92.4332
Hunter-Lab	59.7380, 40.3041, 37.3734

Details

The XYZ color **48.4750, 35.6863, 4.4768** 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 **26.9165, 24.8602, 97.9866**, and the grayscale version is **29.0807, 30.5951, 33.3181**.

A 20% lighter version of the original color is **58.5961, 53.9946, 13.8122**, and **23.5526, 15.5819, 1.7662** is the 20% darker color. If you saturate the color by 10%, you get **48.1237, 35.0281, 4.2247**, and if you desaturate by 10%, it is **50.4789, 39.3529, 6.1980**.

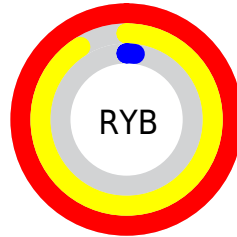
Distribution



Red (100%)

Green (49%)

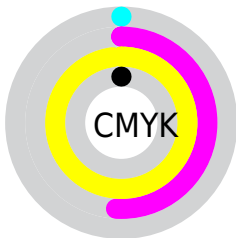
Blue (2%)



Red (100%)

Yellow (91%)

Blue (2%)

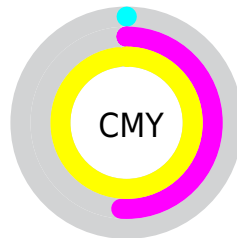


Cyan (0%)

Magenta (51%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4750, 35.6863, 4.4768 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 48.4750, 35.6863, 4.4768 by changing the saturation by 10% instead.


 48.4750, 35.6863,
4.4768

 48.4750, 35.6863,
4.4768


371.2232,
327.5873, 153.3861


 34.4160, 24.1920,
1.8904


 87.1166, 68.5476,
15.0953

 23.3778, 15.4761,
0.4866


 112.4300, 90.6834,
23.9644


 14.9949, 9.1542,
0.0000


 142.2255,
117.1352, 35.7649

 8.9021, 4.8419,
0.0000

 176.8686,
148.2873, 50.9152

 4.7340, 2.1548,
0.0000

 216.7245,
184.5242, 69.8340


 2.1252, 0.6952,
0.0000

 262.1587,


 0.7029, 0.0000,


226.2302, 92.9397


0.0000


 313.5365,
273.7898, 120.6509


 0.0000, 0.0000,
0.0000


 48.4750, 35.6863,
4.4768


 48.4750, 35.6863,
4.4768


 48.1237, 35.0281,
4.2247

 50.4789, 39.3529,
6.1980

 52.9771, 43.5924,
9.3644

 56.0361, 48.4458,
14.2825

 59.7060, 53.9457,
21.1779

 64.0300, 60.1211,
30.2424

69.0469, 66.9989,
41.6443

74.7918, 74.6039,
55.5355

81.2972, 82.9597,
72.0547

88.5935, 92.0886,
91.3304

Harmonies

Analogous

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



60.4095, 35.6863, 14.1066



48.4750, 35.6863, 4.4768



34.6138, 35.6863, 2.4382

Triad

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



48.4750, 35.6863, 4.4768



14.8280, 35.6863, 36.9124



46.9736, 35.6863, 139.2667

Complementary

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



48.4750, 35.6863, 4.4768



26.9165, 24.8602, 97.9866

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.



33.2330, 35.6863, 159.9388



48.4750, 35.6863, 4.4768



16.5873, 35.6863, 82.7586

Square

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



48.4750, 35.6863, 4.4768



17.0196, 35.6863, 12.4346



22.6140, 35.6863, 134.6871



59.4007, 35.6863, 88.5583

Rectangle

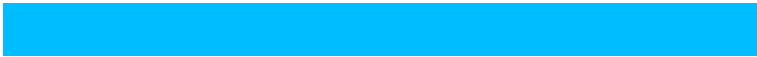
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4750, 35.6863, 4.4768



26.7523, 35.6863, 3.0447



22.6140, 35.6863, 134.6871



42.2628, 35.6863, 150.9681

Sweetspot

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



48.4758, 35.6883, 4.4774



74.2060, 73.8390, 54.0842



45.9058, 23.2133, 26.2339



15.3457, 15.0974, 10.2636



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.



48.4758, 35.6883, 4.4774



48.1242, 35.0285, 4.2247



74.4257, 87.5881, 13.1274



18.7226, 19.4134, 18.9047



25.2932, 18.5976, 2.2566



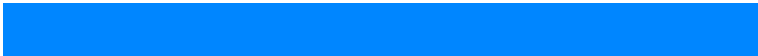
2.5712, 2.0278, 0.2559

Inverse Universe

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



26.9165, 24.8602, 97.9866



26.5220, 24.1640, 97.8740



18.2608, 7.5489, 95.1014



17.7907, 18.9530, 22.9706



14.0090, 12.9275, 51.1915



1.4734, 1.4776, 5.0208

Previews

White Background



This preview shows how the XYZ color 48.4750, 35.6863, 4.4768 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 48.4750, 35.6863, 4.4768 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 48.4750, 35.6863, 4.4768

Background



This preview shows how black text looks on a background with the XYZ color 48.4750, 35.6863, 4.4768.



This preview shows how white text looks on a background with the XYZ color 48.4750, 35.6863,

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

48.4750, 35.6863, 4.4768

Protanopia

32.3664, 35.8476, 6.0240

Deuteranopia

36.2931, 35.6198, 4.9625



Tritanopia

51.4201, 35.6975, 23.5822

Trichromacy



Original Color

48.4750, 35.6863, 4.4768

Protanomaly

36.9779, 34.7725, 5.2530

Deuteranomaly

40.1154, 35.0384, 4.7062

Tritanomaly

49.4417, 35.2870, 11.9898

Monochromacy



Original Color

48.4750, 35.6863, 4.4768

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.4216, 30.6042, 15.5077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4750, 35.6863, 4.4768 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, 124, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 5)  
}
```

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, 124, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 5) }
```

Border

The CSS property to change the border of an element to XYZ 48.4750, 35.6863, 4.4768 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, 124, 5) }
```


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

```
.border{ border-color:rgb(255, 124, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 124, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4750, 35.6863, 4.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 5) }
```

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

```
.background{ background-color: rgb(255,  
124, 5) }
```

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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