

Converting Colors

XYZ(60.2128, 40.7696, 7.5419)

Have a look what the booklet for
XYZ(60.2128, 40.7696, 7.5419)
contains.

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Color

**XYZ(48.3703, 34.6671,
6.9383)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7730
RGB	255, 119, 48
RGB Percent	100%, 47%, 19%
CMY	0.0000, 0.5333, 0.8118
CMYK	0.00, 0.53, 0.81, 0.00
HSL	21°, 100%, 59%
HSV	21°, 81%, 100%
XYZ	48.3703, 34.6671, 6.9383
YIQ	151.5700, 103.8470, 6.7510

Conversions

Conversions Part 2

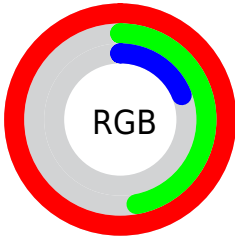
Format	Color
R _Y B	255, 156, 48
Decimal	16742192
CIE Lab	65.49, 47.95, 60.61
CIE LCh	65, 77.286, 51.654
Yxy	34.6671, 0.5376, 0.3853
Android (android.graphics.Color)	4294932272 (0xFFFF7730)
YUV	151.5700, -51.0600, 90.7081
Hunter-Lab	58.8788, 43.6041, 34.2284

Details

The XYZ color **48.3703, 34.6671, 6.9383** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **36.4077, 42.1260, 100.8191**, and the grayscale version is **29.8426, 31.3967, 34.1910**.

A 20% lighter version of the original color is **58.6763, 52.4522, 19.0883**, and **23.4341, 14.9728, 1.6549** is the 20% darker color. If you saturate the color by 10%, you get **46.1660, 30.8729, 4.3106**, and if you desaturate by 10%, it is **51.2296, 39.2888, 11.2743**.

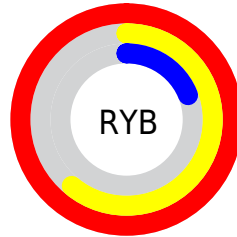
Distribution



Red (100%)

Green (47%)

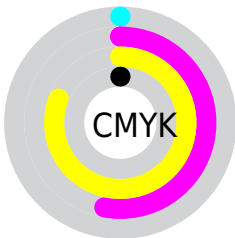
Blue (19%)



Red (100%)

Yellow (61%)

Blue (19%)

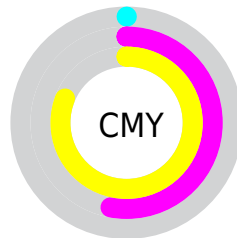


Cyan (0%)

Magenta (53%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3703, 34.6671, 6.9383 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 48.3703, 34.6671, 6.9383 by changing the saturation by 10% instead.


 48.3703, 34.6671,
6.9383


 48.3703, 34.6671,
6.9383

370.8162,
323.0965, 176.7615


 34.3327, 23.4066,
3.3457


 86.9619, 66.9697,
20.3597

 23.3134, 14.8940,
1.2737


 112.2465, 88.7806,
31.0256


 14.9471, 8.7450,
0.0401


 142.0109,
114.8770, 44.8864

 8.8683, 4.5752,
0.0000

 176.6204,
145.6434, 62.3605

 4.7118, 2.0003,
0.0000

 216.4403,
181.4642, 83.8665

 2.1122, 0.6076,
0.0000

 261.8360,

 0.6958, 0.0000,

222.7237, 109.8230

0.0000

313.1729,
269.8063, 140.6485

■ 0.0000, 0.0000,
0.0000

■ 48.3703, 34.6671,
6.9383

■ 48.3703, 34.6671,
6.9383

■ 46.1660, 30.8729,
4.3106

■ 51.2296, 39.2888,
11.2743

■ 44.6863, 28.1531,
3.0789

■ 54.8037, 44.7844,
17.5606

■ 59.1472, 51.2031,
26.0014

■ 64.3078, 58.5878,
36.7741

■ 70.3290, 66.9789,
50.0377

77.2510, 76.4140,
65.9371

85.1113, 86.9289,
84.6058

93.9451, 98.5574,
106.1685

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



57.5817, 34.6671, 19.1111



48.3703, 34.6671, 6.9383



36.2092, 34.6671, 3.5729

Triad

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



48.3703, 34.6671, 6.9383



15.7750, 34.6671, 29.4073



41.6451, 34.6671, 130.2874

Complementary

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



48.3703, 34.6671, 6.9383



36.4077, 42.1260, 100.8191

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.



29.8926, 34.6671, 139.0080



48.3703, 34.6671, 6.9383



16.5869, 34.6671, 65.7132

Square

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



48.3703, 34.6671, 6.9383



18.6661, 34.6671, 10.7889



21.2141, 34.6671, 110.7079



53.1214, 34.6671, 91.0831

Rectangle

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



48.3703, 34.6671, 6.9383



28.7489, 34.6671, 3.7042



21.2141, 34.6671, 110.7079



37.5417, 34.6671, 137.5246

Sweetspot

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



48.3711, 34.6690, 6.9389



75.2031, 73.6419, 61.1719



51.1596, 26.9191, 48.9539



15.5660, 15.0397, 11.8730



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.



48.3711, 34.6690, 6.9389



45.1525, 29.0179, 3.4409



67.4977, 72.9222, 13.3144



18.5188, 19.0057, 18.8368



23.4740, 14.9593, 1.6502



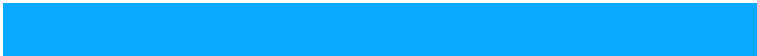
2.3825, 1.6504, 0.1930

Inverse Universe

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



36.4077, 42.1260, 100.8191



32.5487, 36.0753, 99.8555



22.3241, 13.9589, 96.1246



17.9995, 19.3706, 23.0402



16.8470, 18.6036, 52.1375



1.7421, 2.0149, 5.1104

Previews

White Background



This preview shows how the XYZ color 48.3703, 34.6671, 6.9383 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 48.3703, 34.6671, 6.9383 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 48.3703, 34.6671, 6.9383

Background



This preview shows how black text looks on a background with the XYZ color 48.3703, 34.6671, 6.9383.



This preview shows how white text looks on a background with the XYZ color 48.3703, 34.6671,

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

48.3703, 34.6671, 6.9383

Protanopia

31.7203, 34.9224, 9.2065

Deuteranopia

35.4724, 34.6781, 6.4930



Tritanopia

50.7085, 34.6751, 22.1095

Trichromacy



Original Color

48.3703, 34.6671, 6.9383

Protanomaly

36.2686, 33.6484, 8.1977

Deuteranomaly

39.4344, 33.9906, 6.4899

Tritanomaly

49.5058, 34.5589, 14.6510

Monochromacy



Original Color

48.3703, 34.6671, 6.9383

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.4016, 30.7899, 20.1022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3703, 34.6671, 6.9383 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, 119, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 48)  
}
```

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, 119, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 48) }
```

Border

The CSS property to change the border of an element to XYZ 48.3703, 34.6671, 6.9383 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, 119, 48) }
```


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

```
.border{ border-color:rgb(255, 119, 48) }
```

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

Here you see how a box with a 4 pixel rgb(255, 119, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3703, 34.6671, 6.9383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 48) }
```

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

```
.background{ background-color: rgb(255,  
119, 48) }
```

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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