

Converting Colors

XYZ(48.0710, 33.4461, 8.7567)

Have a look what the booklet for
XYZ(48.0710, 33.4461, 8.7567)
contains.

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Color

**XYZ(48.0705, 33.4404,
8.7715)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7140
RGB	255, 113, 64
RGB Percent	100%, 44%, 25%
CMY	0.0000, 0.5568, 0.7490
CMYK	0.00, 0.56, 0.75, 0.00
HSL	15°, 100%, 63%
HSV	15°, 75%, 100%
XYZ	48.0705, 33.4404, 8.7715
YIQ	149.8720, 100.3610, 14.8650

Conversions

Conversions Part 2

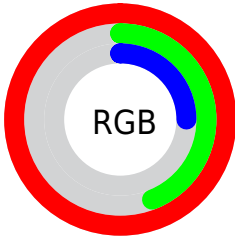
Format	Color
RYB	255, 130, 64
Decimal	16740672
CIELab	64.52, 51.32, 52.44
CIELCh	65, 73.373, 45.622
Yxy	33.4404, 0.5324, 0.3704
Android (android.graphics.Color)	4294930752 (0xFFFF7140)
YUV	149.8720, -42.3349, 92.1973
Hunter-Lab	57.8277, 47.1835, 31.4861

Details

The XYZ color **48.0705, 33.4404, 8.7715** 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 **42.2336, 52.4485, 102.5046**, and the grayscale version is **29.0804, 30.5948, 33.3178**.

A 20% lighter version of the original color is **58.2799, 50.4802, 22.5916**, and **23.1225, 14.2334, 1.9094** is the 20% darker color. If you saturate the color by 10%, you get **45.6050, 29.4177, 5.1510**, and if you desaturate by 10%, it is **51.3106, 38.4828, 14.2855**.

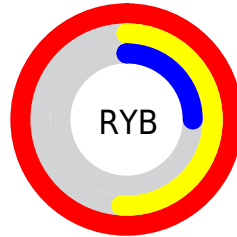
Distribution



Red (100%)

Green (44%)

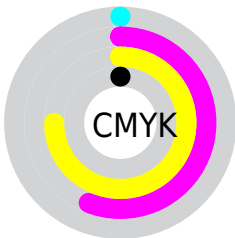
Blue (25%)



Red (100%)

Yellow (51%)

Blue (25%)

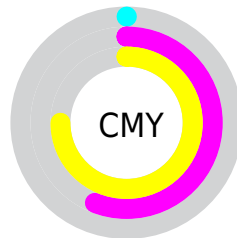


Cyan (0%)

Magenta (56%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0705, 33.4404, 8.7715 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 48.0705, 33.4404, 8.7715 by changing the saturation by 10% instead.


 48.0705, 33.4404,
8.7715

 48.0705, 33.4404,
8.7715


369.6494,
317.6296, 191.8189


 34.0942, 22.4640,
4.4977

 86.5184, 65.0625,
24.0282

 23.1292, 14.1983,
1.9021


 111.7208, 86.4770,
35.8482


 14.8102, 8.2587,
0.4941


 141.3958,
112.1397, 51.0207

 8.7717, 4.2609,
0.0000

 175.9090,
142.4350, 69.9642

 4.6485, 1.8206,
0.0000

 215.6255,
177.7472, 93.0972

 2.0752, 0.4999,
0.0000

260.9109,

 0.6757, 0.0000,

218.4608, 120.8383

0.0000

312.1304,
264.9601, 153.6060

■ 0.0000, 0.0000,
0.0000

■ 48.0705, 33.4404,
8.7715

■ 48.0705, 33.4404,
8.7715

■ 45.6050, 29.4177,
5.1510

■ 51.3106, 38.4828,
14.2855

■ 43.8349, 26.3340,
3.1534

■ 55.3885, 44.6061,
21.9106

■ 43.1547, 25.0899,
2.5683

■ 60.3625, 51.8725,
31.8361

■ 66.2852, 60.3381,
44.2297

■ 73.2045, 70.0548,
59.2434

81.1651, 81.0715,
77.0167

90.2089, 93.4346,
97.6794

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



55.4197, 33.4404, 22.9712



48.0705, 33.4404, 8.7715



37.0572, 33.4404, 4.2317

Triad

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



48.0705, 33.4404, 8.7715



15.9825, 33.4404, 23.8741



37.5279, 33.4404, 125.1165

Complementary

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



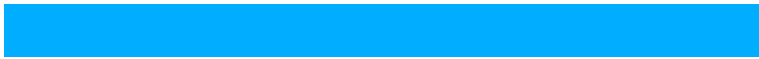
48.0705, 33.4404, 8.7715



42.2336, 52.4485, 102.5046

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.



27.0366, 33.4404, 125.8573



48.0705, 33.4404, 8.7715



16.0543, 33.4404, 54.2766

Square

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



48.0705, 33.4404, 8.7715



19.4430, 33.4404, 9.1194



19.6671, 33.4404, 95.2284



48.4797, 33.4404, 93.5545

Rectangle

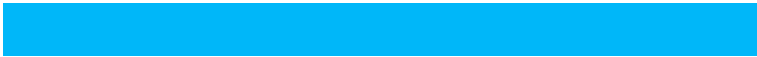
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0705, 33.4404, 8.7715



29.8497, 33.4404, 3.8776



19.6671, 33.4404, 95.2284



33.8003, 33.4404, 129.3885

Sweetspot

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



48.0713, 33.4423, 8.7721



75.4056, 73.1157, 64.1104



54.3662, 29.4440, 62.0095



15.6991, 15.0368, 12.7472



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.



48.0713, 33.4423, 8.7721



44.6213, 27.7332, 3.9495



64.5385, 66.3767, 14.2611



18.3882, 18.7445, 18.7932



22.6501, 13.3115, 1.3756



2.2888, 1.4629, 0.1617

Inverse Universe

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



42.2336, 52.4485, 102.5046



38.2288, 46.9640, 101.6578



25.9310, 19.8434, 97.0704



18.1372, 19.6459, 23.0861



19.1310, 23.1715, 52.8988



1.9506, 2.4319, 5.1799

Previews

White Background



This preview shows how the XYZ color 48.0705, 33.4404, 8.7715 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 48.0705, 33.4404, 8.7715 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 48.0705, 33.4404, 8.7715

Background



This preview shows how black text looks on a background with the XYZ color 48.0705, 33.4404, 8.7715.



This preview shows how white text looks on a background with the XYZ color 48.0705, 33.4404,

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

48.0705, 33.4404, 8.7715

Protanopia

30.6301, 33.5340, 11.8795

Deuteranopia

34.2020, 33.5065, 8.2792



Tritanopia

49.8610, 33.4582, 20.3531

Trichromacy



Original Color

48.0705, 33.4404, 8.7715

Protanomaly

35.3232, 32.2141, 10.4871

Deuteranomaly

38.1832, 32.6655, 8.2956

Tritanomaly

48.9736, 33.2749, 15.1508

Monochromacy



Original Color

48.0705, 33.4404, 8.7715

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.0145, 29.9146, 21.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0705, 33.4404, 8.7715 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, 113, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 64)  
}
```

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, 113, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 64) }
```

Border

The CSS property to change the border of an element to XYZ 48.0705, 33.4404, 8.7715 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, 113, 64) }
```


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

```
.border{ border-color:rgb(255, 113, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 113, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0705, 33.4404, 8.7715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 64) }
```

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

```
.background{ background-color: rgb(255,  
113, 64) }
```

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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