

Converting Colors

XYZ(48.9405, 33.4330, 14.4606)

Have a look what the booklet for
XYZ(48.9405, 33.4330, 14.4606)
contains.

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Color

**XYZ(48.9448, 33.4370,
14.4640)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6F5E
RGB	255, 111, 94
RGB Percent	100%, 44%, 37%
CMY	0.0000, 0.5647, 0.6314
CMYK	0.00, 0.56, 0.63, 0.00
HSL	6°, 100%, 68%
HSV	6°, 63%, 100%
XYZ	48.9448, 33.4370, 14.4640
YIQ	152.1180, 91.2810, 25.2410

Conversions

Conversions Part 2

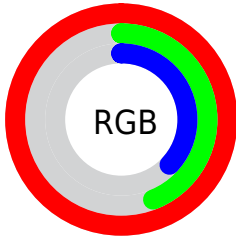
Format	Color
RYB	255, 113, 94
Decimal	16740190
CIELab	64.51, 53.73, 36.77
CIElCh	65, 65.104, 34.385
Yxy	33.4370, 0.5054, 0.3453
Android (android.graphics.Color)	4294930270 (0xFFFF6F5E)
YUV	152.1180, -28.6522, 90.2275
Hunter-Lab	57.8247, 49.8951, 25.6468

Details

The XYZ color **48.9448, 33.4370, 14.4640** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **53.2382, 70.7439, 105.4562**, and the grayscale version is **29.9894, 31.5512, 34.3592**.

A 20% lighter version of the original color is **60.1696, 50.9418, 33.4495**, and **23.6175, 14.1441, 4.1746** is the 20% darker color. If you saturate the color by 10%, you get **45.8049, 28.6961, 8.6741**, and if you desaturate by 10%, it is **53.0993, 39.6029, 22.4564**.

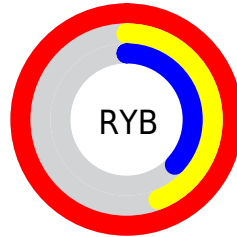
Distribution



Red (100%)

Green (44%)

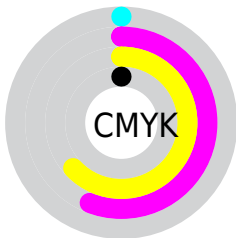
Blue (37%)



Red (100%)

Yellow (44%)

Blue (37%)

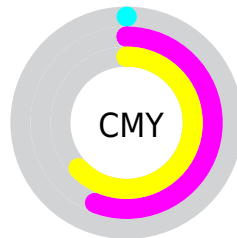


Cyan (0%)

Magenta (56%)

Yellow (63%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9448, 33.4370, 14.4640 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 48.9448, 33.4370, 14.4640 by changing the saturation by 10% instead.


 48.9448, 33.4370,
14.4640


 48.9448, 33.4370,
14.4640


373.0455,
317.6143, 231.6265


 34.7900, 22.4614,
8.3017


 87.8107, 65.0572,
34.6390

 23.6669, 14.1963,
4.1980


 113.2525, 86.4706,
49.4887

 15.2101, 8.2573,
1.7346


 143.1874,
112.1321, 68.0713

 9.0543, 4.2601,
0.3843

 177.9808,
142.4260, 90.8054

 4.8340, 1.8201,
0.0000

217.9979,
177.7368, 118.1094

 2.1839, 0.4996,
0.0000

263.6042,

 0.7343, 0.0000,

218.4489, 150.4019

0.0000

315.1649,
264.9466, 188.1014

■ 0.0000, 0.0000,
0.0000

■ 48.9448, 33.4370,
14.4640

■ 48.9448, 33.4370,
14.4640

■ 45.8049, 28.6961,
8.6741

■ 53.0993, 39.6029,
22.4564

■ 43.5890, 25.2606,
4.8640

■ 58.3436, 47.2902,
32.8413

■ 42.1940, 23.0000,
2.7667

■ 64.7488, 56.5929,
45.7900

■ 41.6303, 22.0409,
2.0602

■ 72.3790, 67.5961,
61.4576

■ 81.2937, 80.3789,
79.9870

91.5484, 95.0153,
101.5110

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



53.1584, 33.4370, 32.6296



48.9448, 33.4370, 14.4640



40.1576, 33.4370, 6.9974

Triad

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



48.9448, 33.4370, 14.4640



18.2270, 33.4370, 18.4483



33.1681, 33.4370, 115.0884

Complementary

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



48.9448, 33.4370, 14.4640



53.2382, 70.7439, 105.4562

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.



24.6584, 33.4370, 104.8849



48.9448, 33.4370, 14.4640



17.0749, 33.4370, 40.4657

Square

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



48.9448, 33.4370, 14.4640



22.7121, 33.4370, 8.3844



19.1874, 33.4370, 73.6750



42.9900, 33.4370, 97.1537

Rectangle

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



48.9448, 33.4370, 14.4640



33.5633, 33.4370, 5.5206



19.1874, 33.4370, 73.6750



30.0627, 33.4370, 114.8820

Sweetspot

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



48.9456, 33.4388, 14.4646



75.9082, 72.6643, 68.7683



60.8077, 35.4915, 85.2292



15.7202, 14.7961, 13.6260



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.



48.9456, 33.4388, 14.4646



45.0804, 27.5844, 7.3915



61.8039, 59.1554, 18.7507



18.1638, 18.2957, 18.7184



21.8025, 11.6163, 1.0931



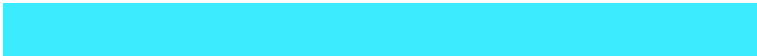
2.1712, 1.2278, 0.1226

Inverse Universe

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



53.2382, 70.7439, 105.4562



49.5599, 67.3647, 104.9984



34.9614, 34.1903, 99.3639



18.3813, 20.1342, 23.1674



24.0032, 32.9160, 54.5229



2.3822, 3.2951, 5.3237

Previews

White Background



This preview shows how the XYZ color 48.9448, 33.4370, 14.4640 looks on a white background.

Color Contrast Check

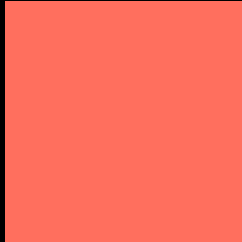
Large Text (above 18pt) WCAG AA × Fail

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 48.9448, 33.4370, 14.4640 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 48.9448, 33.4370, 14.4640

Background



This preview shows how black text looks on a background with the XYZ color 48.9448, 33.4370, 14.4640.



This preview shows how white text looks on a background with the XYZ color 48.9448, 33.4370,

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

48.9448, 33.4370, 14.4640

Protanopia

31.3438, 33.7188, 20.1856

Deuteranopia

34.3649, 33.7073, 13.7118



Tritanopia

49.8610, 33.4582, 20.3531

Trichromacy



Original Color

48.9448, 33.4370, 14.4640

Protanomaly

35.7473, 32.0554, 17.6678

Deuteranomaly

38.6740, 32.7936, 13.9643

Tritanomaly

49.5227, 33.4946, 18.0423

Monochromacy



Original Color

48.9448, 33.4370, 14.4640

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

34.0287, 30.3488, 25.5371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9448, 33.4370, 14.4640 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, 111, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 94)  
}
```

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, 111, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 94) }
```

Border

The CSS property to change the border of an element to XYZ 48.9448, 33.4370, 14.4640 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, 111, 94) }
```


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

```
.border{ border-color:rgb(255, 111, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9448, 33.4370, 14.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 94) }
```

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

```
.background{ background-color: rgb(255,  
111, 94) }
```

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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