

Converting Colors

XYZ(48.1221, 33.6713, 8.3948)

Have a look what the booklet for
XYZ(48.1221, 33.6713, 8.3948)
contains.

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Color

**XYZ(48.0996, 33.6315,
8.3713)**

Conversions

Conversions Part 1

Format	Color
Hex	FF723D
RGB	255, 114, 61
RGB Percent	100%, 45%, 24%
CMY	0.0000, 0.5529, 0.7608
CMYK	0.00, 0.55, 0.76, 0.00
HSL	16°, 100%, 62%
HSV	16°, 76%, 100%
XYZ	48.0996, 33.6315, 8.3713
YIQ	150.1170, 101.0490, 13.4090

Conversions

Conversions Part 2

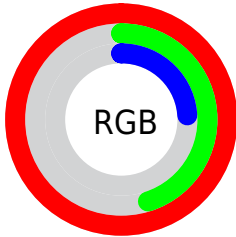
Format	Color
RYB	255, 134, 61
Decimal	16740925
CIELab	64.67, 50.74, 54.04
CIElCh	65, 74.126, 46.807
Yxy	33.6315, 0.5338, 0.3733
Android (android.graphics.Color)	4294931005 (0xFFFF723D)
YUV	150.1170, -43.9347, 91.9824
Hunter-Lab	57.9927, 46.5622, 32.0363

Details

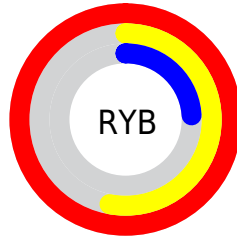
The XYZ color **48.0996, 33.6315, 8.3713** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.0932, 50.4496, 102.1790**, and the grayscale version is **29.1910, 30.7112, 33.4445**.

A 20% lighter version of the original color is **58.3526, 50.8058, 22.0602**, and **23.1455, 14.3256, 1.7749** is the 20% darker color. If you saturate the color by 10%, you get **45.6858, 29.6547, 4.9455**, and if you desaturate by 10%, it is **51.2646, 38.5895, 13.6571**.

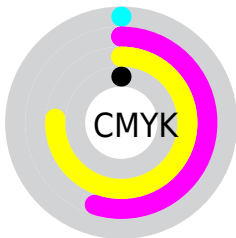
Distribution



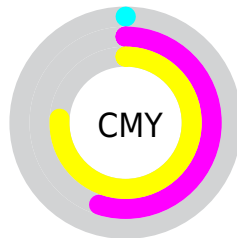
- Red (100%)
- Green (45%)
- Blue (24%)



- Red (100%)
- Yellow (53%)
- Blue (24%)



- Cyan (0%)
- Magenta (55%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0996, 33.6315, 8.3713 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 48.0996, 33.6315, 8.3713 by changing the saturation by 10% instead.


 48.0996, 33.6315,
8.3713


 48.0996, 33.6315,
8.3713


369.7628,
318.4858, 188.6580


 34.1173, 22.6107,
4.2423


 86.5615, 65.3602,
23.2413

 23.1471, 14.3063,
1.7592


 111.7718, 86.8369,
34.8193

 14.8234, 8.3340,
0.4008


 141.4556,
112.5676, 49.7174

 8.7811, 4.3094,
0.0000

 175.9781,
142.9367, 68.3541

 4.6546, 1.8481,
0.0000

 215.7047,
178.3287, 91.1480

 2.0787, 0.5169,
0.0000

 261.0008,

 0.6776, 0.0000,

219.1280, 118.5176

0.0000

312.2317,
265.7189, 150.8814

■ 0.0000, 0.0000,
0.0000

■ 48.0996, 33.6315,
8.3713

■ 48.0996, 33.6315,
8.3713

■ 45.6858, 29.6547,
4.9455

■ 51.2646, 38.5895,
13.6571

■ 43.9444, 26.5817,
3.1019

■ 55.2429, 44.5866,
21.0242

■ 43.4096, 25.5996,
2.6533

■ 60.0921, 51.6824,
30.6645

■ 65.8635, 59.9299,
42.7473

■ 72.6042, 69.3787,
57.4257

80.3577, 80.0754,
74.8400

89.1651, 92.0640,
95.1208

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.



55.8015, 33.6315, 22.1648



48.0996, 33.6315, 8.3713



36.8624, 33.6315, 4.0780

Triad

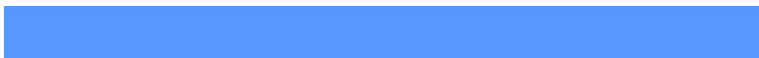
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.0996, 33.6315, 8.3713



15.9072, 33.6315, 24.8155



38.2487, 33.6315, 126.1246

Complementary

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



48.0996, 33.6315, 8.3713



41.0932, 50.4496, 102.1790

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.



27.5231, 33.6315, 128.3163



48.0996, 33.6315, 8.3713



16.1176, 33.6315, 56.2906

Square

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



48.0996, 33.6315, 8.3713



19.2579, 33.6315, 9.3857



19.9154, 33.6315, 98.0368



49.3064, 33.6315, 93.0895

Rectangle

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



48.0996, 33.6315, 8.3713



29.6035, 33.6315, 3.8214



19.9154, 33.6315, 98.0368



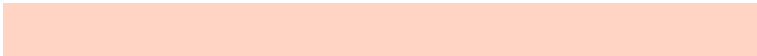
34.4504, 33.6315, 130.9473

Sweetspot

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



48.1004, 33.6334, 8.3719



74.8811, 72.5363, 62.4879



53.7198, 28.9221, 59.4178



15.4578, 14.7351, 12.1089



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.



48.1004, 33.6334, 8.3719



44.7503, 28.0339, 3.8605



65.0628, 67.5583, 14.0260



18.4132, 18.7946, 18.8016



22.7882, 13.5877, 1.4216



2.3051, 1.4956, 0.1672

Inverse Universe

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



41.0932, 50.4496, 102.1790



37.1632, 44.9236, 101.3202



25.1561, 18.5755, 96.8666



18.1105, 19.5927, 23.0772



18.6632, 22.2361, 52.7429



1.9083, 2.3473, 5.1658

Previews

White Background



This preview shows how the XYZ color 48.0996, 33.6315, 8.3713 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 48.0996, 33.6315, 8.3713 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 48.0996, 33.6315, 8.3713

Background



This preview shows how black text looks on a background with the XYZ color 48.0996, 33.6315, 8.3713.



This preview shows how white text looks on a background with the XYZ color 48.0996, 33.6315,

8.3713.

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

48.0996, 33.6315, 8.3713

Protanopia

30.7486, 33.6070, 11.3447

Deuteranopia

34.3709, 33.6042, 7.8067



Tritanopia

49.9683, 33.6728, 20.3889

Trichromacy



Original Color

48.0996, 33.6315, 8.3713

Protanomaly

35.2277, 32.1759, 9.9841

Deuteranomaly

38.4072, 32.7896, 7.9192

Tritanomaly

49.0358, 33.4734, 14.9429

Monochromacy



Original Color

48.0996, 33.6315, 8.3713

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.9547, 29.8907, 21.1721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0996, 33.6315, 8.3713 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, 114, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 61)  
}
```

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, 114, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 61) }
```

Border

The CSS property to change the border of an element to XYZ 48.0996, 33.6315, 8.3713 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, 114, 61) }
```


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

```
.border{ border-color:rgb(255, 114, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0996, 33.6315, 8.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 61) }
```

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

```
.background{ background-color: rgb(255,  
114, 61) }
```

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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