

Converting Colors

XYZ(48.8121, 35.1331, 8.3727)

Have a look what the booklet for
XYZ(48.8121, 35.1331, 8.3727)
contains.

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Color

**XYZ(48.8668, 35.2505,
8.3661)**

Conversions

Conversions Part 1

Format	Color
Hex	FF793B
RGB	255, 121, 59
RGB Percent	100%, 47%, 23%
CMY	0.0000, 0.5255, 0.7686
CMYK	0.00, 0.53, 0.77, 0.00
HSL	19°, 100%, 62%
HSV	19°, 77%, 100%
XYZ	48.8668, 35.2505, 8.3661
YIQ	153.9980, 99.7660, 9.1260

Conversions

Conversions Part 2

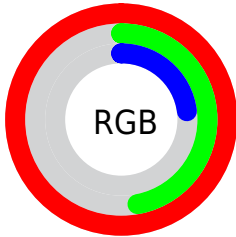
Format	Color
R _Y B	255, 150, 59
Decimal	16742715
CIE Lab	65.94, 47.35, 56.26
CIE LCh	66, 73.531, 49.912
Yxy	35.2505, 0.5284, 0.3812
Android (android.graphics.Color)	4294932795 (0xFFFF793B)
YUV	153.9980, -46.8340, 88.5788
Hunter-Lab	59.3721, 43.0149, 33.2060

Details

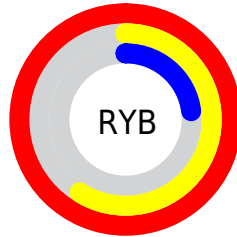
The XYZ color **48.8668, 35.2505, 8.3661** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38.9219, 46.2864, 101.4899**, and the grayscale version is **30.8839, 32.4923, 35.3841**.

A 20% lighter version of the original color is **59.5798, 53.4365, 21.9259**, and **23.5639, 15.2150, 1.7523** is the 20% darker color. If you saturate the color by 10%, you get **46.4290, 31.1879, 5.0488**, and if you desaturate by 10%, it is **52.0116, 40.2116, 13.5112**.

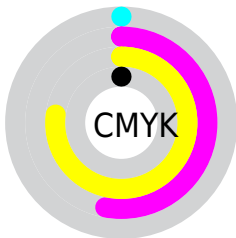
Distribution



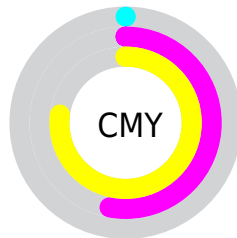
- Red (100%)
- Green (47%)
- Blue (23%)



- Red (100%)
- Yellow (59%)
- Blue (23%)



- Cyan (0%)
- Magenta (53%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8668, 35.2505, 8.3661 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 48.8668, 35.2505, 8.3661 by changing the saturation by 10% instead.


 48.8668, 35.2505,
8.3661


 48.8668, 35.2505,
8.3661


372.7434,
325.6726, 188.6165


 34.7279, 23.8559,
4.2390


 87.6955, 67.8737,
23.2310

 23.6189, 15.2268,
1.7573


 113.1160, 89.8710,
34.8058


 15.1744, 8.9787,
0.3996


 143.0279,
116.1714, 49.7003

 9.0290, 4.7273,
0.0000

 177.7963,
147.1592, 68.3330

 4.8173, 2.0882,
0.0000

 217.7867,
183.2188, 91.1224

 2.1741, 0.6580,
0.0000

 263.3644,

 0.7291, 0.0000,

224.7347, 118.4871

0.0000

314.8949,
272.0912, 150.8456

■ 0.0000, 0.0000,
0.0000

■ 48.8668, 35.2505,
8.3661

■ 48.8668, 35.2505,
8.3661

■ 46.4290, 31.1879,
5.0488

■ 52.0116, 40.2116,
13.5112

■ 44.6228, 27.9559,
3.2739

■ 55.9216, 46.1203,
20.7070

■ 44.1579, 27.0962,
2.9027

■ 60.6507, 53.0281,
30.1460

■ 66.2468, 60.9810,
41.9978

■ 72.7538, 70.0219,
56.4153

80.2124, 80.1912,
73.5390

88.6608, 91.5269,
93.4988

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



57.2810, 35.2505, 21.3755



48.8668, 35.2505, 8.3661



37.3050, 35.2505, 4.4492

Triad

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



48.8668, 35.2505, 8.3661



16.8369, 35.2505, 28.8128



41.1485, 35.2505, 126.7971

Complementary

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



48.8668, 35.2505, 8.3661



38.9219, 46.2864, 101.4899

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.



29.9714, 35.2505, 132.7810



48.8668, 35.2505, 8.3661



17.4300, 35.2505, 62.6239

Square

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



48.8668, 35.2505, 8.3661



19.9099, 35.2505, 11.2794



21.7553, 35.2505, 104.9097



52.1988, 35.2505, 91.3524

Rectangle

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



48.8668, 35.2505, 8.3661



30.0300, 35.2505, 4.4416



21.7553, 35.2505, 104.9097



37.2372, 35.2505, 132.8539

Sweetspot

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



48.8676, 35.2524, 8.3667



75.5199, 73.8139, 62.7008



52.7904, 28.3826, 55.0400



15.6097, 15.0390, 12.1595



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.



48.8676, 35.2524, 8.3667



45.4278, 29.4279, 3.9665



66.5338, 70.5848, 14.2554



18.4783, 18.9248, 18.8233



23.1912, 14.3937, 1.5559



2.3513, 1.5879, 0.1826

Inverse Universe

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



38.9219, 46.2864, 101.4899



34.8260, 40.3316, 100.5570



24.2401, 16.9229, 96.5960



18.0418, 19.4552, 23.0543



17.5136, 19.9368, 52.3597



1.8035, 2.1377, 5.1308

Previews

White Background



This preview shows how the XYZ color 48.8668, 35.2505, 8.3661 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 48.8668, 35.2505, 8.3661 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 48.8668, 35.2505, 8.3661

Background



This preview shows how black text looks on a background with the XYZ color 48.8668, 35.2505, 8.3661.



This preview shows how white text looks on a background with the XYZ color 48.8668, 35.2505,

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

48.8668, 35.2505, 8.3661

Protanopia

32.2105, 35.3969, 10.9290

Deuteranopia

36.0544, 35.4303, 7.9561



Tritanopia

51.0605, 35.1808, 22.8383

Trichromacy



Original Color

48.8668, 35.2505, 8.3661

Protanomaly

36.7159, 34.0729, 9.7959

Deuteranomaly

39.9863, 34.6789, 7.9544

Tritanomaly

50.0187, 35.1370, 16.2024

Monochromacy



Original Color

48.8668, 35.2505, 8.3661

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.4886, 31.7543, 21.7642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8668, 35.2505, 8.3661 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, 121, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 59)  
}
```

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, 121, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 59) }
```

Border

The CSS property to change the border of an element to XYZ 48.8668, 35.2505, 8.3661 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, 121, 59) }
```


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

```
.border{ border-color:rgb(255, 121, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8668, 35.2505, 8.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 59) }
```

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

```
.background{ background-color: rgb(255,  
121, 59) }
```

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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