

Converting Colors

XYZ(49.4695, 35.6871, 10.9376)

Have a look what the booklet for
XYZ(49.4695, 35.6871, 10.9376)
contains.

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Color

**XYZ(49.4695, 35.6871,
10.9376)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7A4B
RGB	255, 122, 75
RGB Percent	100%, 48%, 29%
CMY	0.0000, 0.5215, 0.7059
CMYK	0.00, 0.52, 0.71, 0.00
HSL	16°, 100%, 65%
HSV	16°, 71%, 100%
XYZ	49.4695, 35.6871, 10.9376
YIQ	156.4090, 94.3550, 13.5790

Conversions

Conversions Part 2

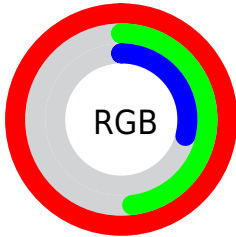
Format	Color
R _Y B	255, 139, 75
Decimal	16742987
CIE Lab	66.28, 47.54, 48.89
CIE LCh	66, 68.193, 45.803
Yxy	35.6871, 0.5148, 0.3714
Android (android.graphics.Color)	4294933067 (0xFFFF7A4B)
YUV	156.4090, -40.1346, 86.4643
Hunter-Lab	59.7387, 43.2729, 30.9616

Details

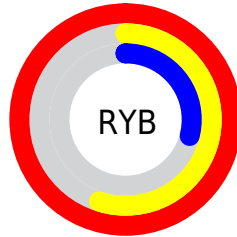
The XYZ color **49.4695, 35.6871, 10.9376** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.5056, 53.8237, 102.7030**, and the grayscale version is **31.9284, 33.5911, 36.5807**.

A 20% lighter version of the original color is **60.7280, 54.2106, 27.0016**, and **24.0528, 15.5373, 2.7086** is the 20% darker color. If you saturate the color by 10%, you get **46.6717, 31.2198, 6.5277**, and if you desaturate by 10%, it is **53.0669, 41.1950, 17.3388**.

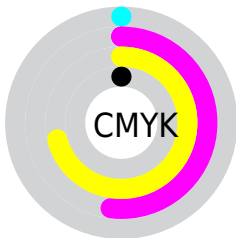
Distribution



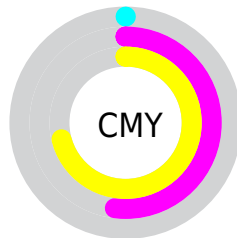
- Red (100%)
- Green (48%)
- Blue (29%)



- Red (100%)
- Yellow (55%)
- Blue (29%)



- Cyan (0%)
- Magenta (52%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4695, 35.6871, 10.9376 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 49.4695, 35.6871, 10.9376 by changing the saturation by 10% instead.


 49.4695, 35.6871,
10.9376


 49.4695, 35.6871,
10.9376


375.0741,
327.5908, 207.9610


 35.2081, 24.1926,
5.9112


 88.5849, 68.5488,
28.1796

 23.9905, 15.4766,
2.7233


 114.1696, 90.6849,
41.2323


 15.4513, 9.1545,
0.9551


 144.2596,
117.1370, 57.7976

 9.2251, 4.8421,
0.0000

 179.2200,
148.2894, 78.2940

 4.9466, 2.1549,
0.0000

 219.4163,
184.5266, 103.1399

 2.2504, 0.6953,
0.0000

265.2139,

 0.7691, 0.0000,

226.2330, 132.7541

0.0000

316.9780,
273.7929, 167.5549

■ 0.0000, 0.0000,
0.0000

■ 49.4695, 35.6871,
10.9376

■ 49.4695, 35.6871,
10.9376

■ 46.6717, 31.2198,
6.5277

■ 53.0669, 41.1950,
17.3388

■ 44.6004, 27.7174,
3.8636


■ 57.5227, 47.8004,
25.9338

■ 43.2228, 25.2260,
2.5910

■ 62.8925, 55.5627,
36.9020

■ 69.2261, 64.5353,
50.4036

■ 76.5698, 74.7679,
66.5847

 84.9665, 86.3076,
85.5804

94.4568, 99.1989,
107.5164

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.



56.4439, 35.6871, 25.5074



49.4695, 35.6871, 10.9376



38.9480, 35.6871, 5.9164

Triad

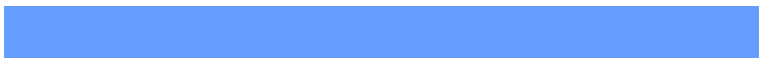
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.4695, 35.6871, 10.9376



18.2672, 35.6871, 26.6707



39.5319, 35.6871, 121.5580

Complementary

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



49.4695, 35.6871, 10.9376



43.5056, 53.8237, 102.7030

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.



29.3436, 35.6871, 122.4297



49.4695, 35.6871, 10.9376



18.3614, 35.6871, 56.2024

Square

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



49.4695, 35.6871, 10.9376



21.7366, 35.6871, 11.4216



22.0262, 35.6871, 94.4679



49.9700, 35.6871, 92.4738

Rectangle

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



49.4695, 35.6871, 10.9376



31.9794, 35.6871, 5.5195



22.0262, 35.6871, 94.4679



35.9366, 35.6871, 125.5162

Sweetspot

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



49.4703, 35.6891, 10.9382



76.2470, 74.3209, 65.8630



55.3887, 30.9453, 64.0263



15.8664, 15.2786, 13.0888



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.



49.4703, 35.6891, 10.9382



45.6731, 29.5599, 5.1533



65.5562, 67.8609, 16.3002



18.3950, 18.7582, 18.7955



22.6871, 13.3854, 1.3879



2.2932, 1.4717, 0.1632

Inverse Universe

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



43.5056, 53.8237, 102.7030



39.1430, 48.2058, 101.8493



27.6682, 22.1490, 97.4239



18.1299, 19.6313, 23.0836



19.0013, 22.9122, 52.8556



1.9389, 2.4085, 5.1760

Previews

White Background



This preview shows how the XYZ color 49.4695, 35.6871, 10.9376 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 49.4695, 35.6871, 10.9376 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 49.4695, 35.6871, 10.9376

Background



This preview shows how black text looks on a background with the XYZ color 49.4695, 35.6871, 10.9376.



This preview shows how white text looks on a background with the XYZ color 49.4695, 35.6871,

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

49.4695, 35.6871, 10.9376

Protanopia

33.0419, 36.0102, 14.4417

Deuteranopia

36.6864, 35.9461, 10.4735



Tritanopia

51.4201, 35.6975, 23.5822

Trichromacy



Original Color

49.4695, 35.6871, 10.9376

Protanomaly

37.4487, 34.6138, 12.8910

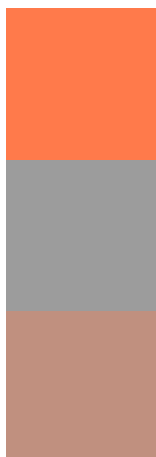
Deuteranomaly

40.6291, 35.1731, 10.6089

Tritanomaly

50.4907, 35.5152, 18.1039

Monochromacy



Original Color

49.4695, 35.6871, 10.9376

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.5423, 32.6853, 24.5143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4695, 35.6871, 10.9376 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, 122, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 75)  
}
```

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, 122, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 75) }
```

Border

The CSS property to change the border of an element to XYZ 49.4695, 35.6871, 10.9376 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, 122, 75) }
```


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

```
.border{ border-color:rgb(255, 122, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4695, 35.6871, 10.9376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 75) }
```

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

```
.background{ background-color: rgb(255,  
122, 75) }
```

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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