

Converting Colors

XYZ(52.3943, 36.9016, 11.0447)

Have a look what the booklet for
XYZ(52.3943, 36.9016, 11.0447)
contains.

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Color

**XYZ(49.2265, 35.2009,
10.8566)**

Conversions

Conversions Part 1

Format	Color
Hex	FF784B
RGB	255, 120, 75
RGB Percent	100%, 47%, 29%
CMY	0.0000, 0.5294, 0.7059
CMYK	0.00, 0.53, 0.71, 0.00
HSL	15°, 100%, 65%
HSV	15°, 71%, 100%
XYZ	49.2265, 35.2009, 10.8566
YIQ	155.2350, 94.9050, 14.6250

Conversions

Conversions Part 2

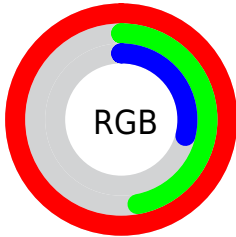
Format	Color
RYB	255, 135, 75
Decimal	16742475
CIELab	65.90, 48.50, 48.47
CIELCh	66, 68.569, 44.986
Yxy	35.2009, 0.5166, 0.3694
Android (android.graphics.Color)	4294932555 (0xFFFF784B)
YUV	155.2350, -39.5559, 87.4939
Hunter-Lab	59.3303, 44.2737, 30.6820

Details

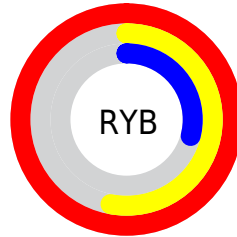
The XYZ color **49.2265, 35.2009, 10.8566** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.9966, 54.8056, 102.8669**, and the grayscale version is **31.4013, 33.0366, 35.9769**.

A 20% lighter version of the original color is **60.3359, 53.4263, 26.8709**, and **23.8843, 15.1820, 2.7085** is the 20% darker color. If you saturate the color by 10%, you get **46.4473, 30.7708, 6.4529**, and if you desaturate by 10%, it is **52.8162, 40.6933, 17.2552**.

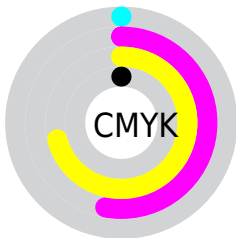
Distribution



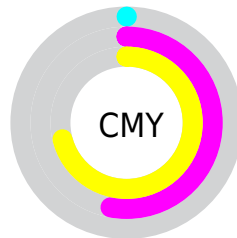
- Red (100%)
- Green (47%)
- Blue (29%)



- Red (100%)
- Yellow (53%)
- Blue (29%)



- Cyan (0%)
- Magenta (53%)
- Yellow (71%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2265, 35.2009, 10.8566 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 49.2265, 35.2009, 10.8566 by changing the saturation by 10% instead.


 49.2265, 35.2009,
10.8566


 49.2265, 35.2009,
10.8566


374.1355,
325.4542, 207.3831


 35.0145, 23.8177,
5.8575


 88.2265, 67.7969,
28.0273


 23.8406, 15.1984,
2.6913


 113.7451, 89.7784,
41.0360


 15.3395, 8.9588,
0.9390


 143.7633,
116.0615, 57.5516

 9.1459, 4.7143,
0.0000

 178.6465,
147.0306, 77.9928

 4.8943, 2.0806,
0.0000

 218.7599,
183.0700, 102.7779

 2.2195, 0.6537,
0.0000

264.4690,

 0.7530, 0.0000,

224.5641, 132.3257

0.0000

316.1391,
271.8974, 167.0546

■ 0.0000, 0.0000,
0.0000

■ 49.2265, 35.2009,
10.8566

■ 49.2265, 35.2009,
10.8566

■ 46.4473, 30.7708,
6.4529

■ 52.8162, 40.6933,
17.2552

■ 44.4039, 27.3243,
3.7980


■ 57.2764, 47.3075,
25.8517

■ 43.0597, 24.8996,
2.5366

■ 62.6639, 55.1052,
36.8259

■ 69.0296, 64.1419,
50.3382

■ 76.4206, 74.4693,
66.5352

 84.8810, 86.1362,
85.5521

94.4519, 99.1887,
107.5150

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.



56.0433, 35.2009, 25.6275



49.2265, 35.2009, 10.8566



38.7660, 35.2009, 5.7389

Triad

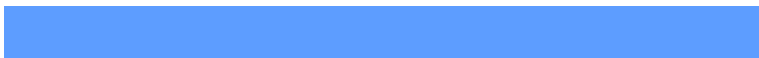
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.2265, 35.2009, 10.8566



17.9395, 35.2009, 25.6074



38.7558, 35.2009, 121.5127

Complementary

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



49.2265, 35.2009, 10.8566



43.9966, 54.8056, 102.8669

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.



28.6570, 35.2009, 121.4974



49.2265, 35.2009, 10.8566



17.9379, 35.2009, 54.6534

Square

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



49.2265, 35.2009, 10.8566



21.4815, 35.2009, 10.8483



21.4765, 35.2009, 92.8954



49.2178, 35.2009, 92.9303

Rectangle

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



49.2265, 35.2009, 10.8566



31.7915, 35.2009, 5.2742



21.4765, 35.2009, 92.8954



35.1805, 35.2009, 125.1912

Sweetspot

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



49.2273, 35.2028, 10.8572



76.0953, 74.0175, 65.8124



55.3888, 30.9454, 64.0265



15.8308, 15.2074, 13.0770



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.



49.2273, 35.2028, 10.8572



45.4598, 29.1333, 5.0822



65.5564, 67.8611, 16.3002



18.3783, 18.7248, 18.7899



22.5984, 13.2080, 1.3583



2.2825, 1.4504, 0.1597

Inverse Universe

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



43.9966, 54.8056, 102.8669



39.6996, 49.3188, 102.0348



27.6683, 22.1491, 97.4242



18.1477, 19.6669, 23.0896



19.3187, 23.5469, 52.9614



1.9675, 2.4657, 5.1855

Previews

White Background



This preview shows how the XYZ color 49.2265, 35.2009, 10.8566 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 49.2265, 35.2009, 10.8566 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 49.2265, 35.2009, 10.8566

Background



This preview shows how black text looks on a background with the XYZ color 49.2265, 35.2009, 10.8566.



This preview shows how white text looks on a background with the XYZ color 49.2265, 35.2009,

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

49.2265, 35.2009, 10.8566

Protanopia

32.6378, 35.5414, 14.3725

Deuteranopia

35.9878, 35.3419, 10.3938



Tritanopia

51.0605, 35.1808, 22.8383

Trichromacy



Original Color

49.2265, 35.2009, 10.8566

Protanomaly

37.0171, 34.1614, 12.8264

Deuteranomaly

39.8756, 34.5648, 10.5312

Tritanomaly

50.2028, 35.0232, 17.7498

Monochromacy



Original Color

49.2265, 35.2009, 10.8566

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.9248, 31.9287, 24.0608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2265, 35.2009, 10.8566 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, 120, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 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, 120, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 75) }
```

Border

The CSS property to change the border of an element to XYZ 49.2265, 35.2009, 10.8566 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, 120, 75) }
```


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

```
.border{ border-color:rgb(255, 120, 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, 120, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2265, 35.2009, 10.8566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 75) }
```

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

```
.background{ background-color: rgb(255,  
120, 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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