

Converting Colors

XYZ(48.9489, 35.0847, 9.4112)

Have a look what the booklet for
XYZ(48.9489, 35.0847, 9.4112)
contains.

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Color

**XYZ(48.9398, 35.0863,
9.3472)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7842
RGB	255, 120, 66
RGB Percent	100%, 47%, 26%
CMY	0.0000, 0.5294, 0.7412
CMYK	0.00, 0.53, 0.74, 0.00
HSL	17°, 100%, 63%
HSV	17°, 74%, 100%
XYZ	48.9398, 35.0863, 9.3472
YIQ	154.2090, 97.7940, 11.8260

Conversions

Conversions Part 2

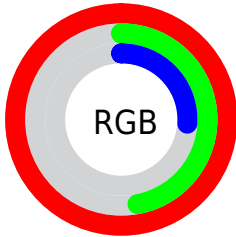
Format	Color
R _Y B	255, 142, 66
Decimal	16742466
CIE Lab	65.82, 48.10, 52.83
CIE LCh	66, 71.450, 47.686
Yxy	35.0863, 0.5241, 0.3758
Android (android.graphics.Color)	4294932546 (0xFFFF7842)
YUV	154.2090, -43.4870, 88.3937
Hunter-Lab	59.2337, 43.8205, 32.1075

Details

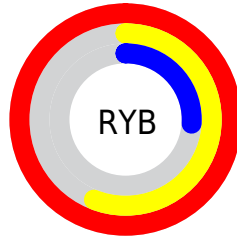
The XYZ color **48.9398, 35.0863, 9.3472** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.1816, 50.1479, 102.1159**, and the grayscale version is **30.9633, 32.5758, 35.4750**.

A 20% lighter version of the original color is **59.7809, 53.2043, 23.9483**, and **23.5792, 15.1252, 2.1286** is the 20% darker color. If you saturate the color by 10%, you get **46.3625, 30.8791, 5.5692**, and if you desaturate by 10%, it is **52.2701, 40.2645, 15.0283**.

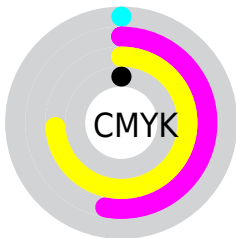
Distribution



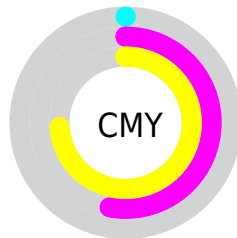
- Red (100%)
- Green (47%)
- Blue (26%)



- Red (100%)
- Yellow (56%)
- Blue (26%)



- Cyan (0%)
- Magenta (53%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9398, 35.0863, 9.3472 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 48.9398, 35.0863, 9.3472 by changing the saturation by 10% instead.


 48.9398, 35.0863,
9.3472


 48.9398, 35.0863,
9.3472

373.0262,
324.9491, 196.2597


 34.7861, 23.7294,
4.8684


 87.8033, 67.6194,
25.1485

 23.6639, 15.1330,
2.1129


 113.2438, 89.5644,
37.3082

 15.2078, 8.9128,
0.6234


 143.1772,
115.8076, 52.8652

 9.0527, 4.6843,
0.0000

 177.9689,
146.7332, 72.2381

 4.8329, 2.0633,
0.0000

 217.9844,
182.7258, 95.8455

 2.1833, 0.6438,
0.0000

263.5888,

 0.7339, 0.0000,

224.1697, 124.1058

0.0000

315.1476,
271.4493, 157.4377

■ 0.0000, 0.0000,
0.0000

■ 48.9398, 35.0863,
9.3472

■ 48.9398, 35.0863,
9.3472

■ 46.3625, 30.8791,
5.5692

■ 52.2701, 40.2645,
15.0283

■ 44.4639, 27.5703,
3.4301

■ 56.4122, 46.4674,
22.8260

■ 43.6135, 26.0075,
2.7213

■ 61.4215, 53.7511,
32.9268

■ 67.3470, 62.1657,
45.4961

■ 74.2341, 71.7581,
60.6840

82.1250, 82.5724,
78.6283

91.0592, 94.6503,
99.4575

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



56.6278, 35.0863, 23.1420



48.9398, 35.0863, 9.3472



37.8610, 35.0863, 4.9242

Triad

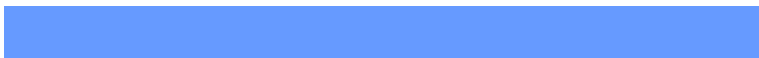
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.9398, 35.0863, 9.3472



17.2064, 35.0863, 27.1115



39.8931, 35.0863, 124.4936

Complementary

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



48.9398, 35.0863, 9.3472



41.1816, 50.1479, 102.1159

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.



29.2095, 35.0863, 127.6140



48.9398, 35.0863, 9.3472



17.5246, 35.0863, 58.6914

Square

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



48.9398, 35.0863, 9.3472



20.4932, 35.0863, 10.9342



21.4795, 35.0863, 99.2148



50.6949, 35.0863, 92.1230

Rectangle

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



48.9398, 35.0863, 9.3472



30.7104, 35.0863, 4.7194



21.4795, 35.0863, 99.2148



36.1334, 35.0863, 129.4420

Sweetspot

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



48.9406, 35.0882, 9.3478



75.8200, 73.9445, 64.2486



53.7836, 29.3947, 58.3752



15.7957, 15.2300, 12.7794



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.



48.9406, 35.0882, 9.3478



45.3560, 29.1556, 4.3388



66.2822, 69.7715, 15.1283



18.4321, 18.8323, 18.8079



22.8984, 13.8081, 1.4584



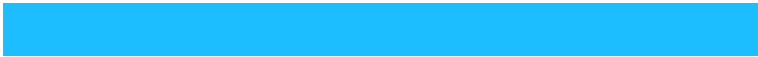
2.3180, 1.5213, 0.1715

Inverse Universe

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



41.1816, 50.1479, 102.1159



36.9758, 44.3586, 101.2210



25.5494, 18.8835, 96.9052



18.0905, 19.5527, 23.0705



18.3203, 21.5502, 52.6286



1.8772, 2.2850, 5.1554

Previews

White Background



This preview shows how the XYZ color 48.9398, 35.0863, 9.3472 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 48.9398, 35.0863, 9.3472 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 48.9398, 35.0863, 9.3472

Background



This preview shows how black text looks on a background with the XYZ color 48.9398, 35.0863, 9.3472.



This preview shows how white text looks on a background with the XYZ color 48.9398, 35.0863, 9.3472.

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

48.9398, 35.0863, 9.3472

Protanopia

32.0774, 35.0388, 12.2802

Deuteranopia

35.8114, 35.0413, 8.8792



Tritanopia

51.0605, 35.1808, 22.8383

Trichromacy



Original Color

48.9398, 35.0863, 9.3472

Protanomaly

36.5383, 33.7243, 11.0622

Deuteranomaly

39.7356, 34.3087, 8.9428

Tritanomaly

49.9996, 34.9419, 16.6796

Monochromacy



Original Color

48.9398, 35.0863, 9.3472

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.6717, 31.8275, 22.7283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9398, 35.0863, 9.3472 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 66) }
```

Border

The CSS property to change the border of an element to XYZ 48.9398, 35.0863, 9.3472 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, 66) }
```


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

```
.border{ border-color:rgb(255, 120, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9398, 35.0863, 9.3472 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, 66) }
```

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

```
.background{ background-color: rgb(255,  
120, 66) }
```

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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