

Converting Colors

XYZ(49.4397, 33.8222, 16.4929)

Have a look what the booklet for
XYZ(49.4397, 33.8222, 16.4929)
contains.

XYZ(49.4324, 33.8077, 16.4905)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4324, 33.8077,
16.4905)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7066
RGB	255, 112, 102
RGB Percent	100%, 44%, 40%
CMY	0.0000, 0.5607, 0.6000
CMYK	0.00, 0.56, 0.60, 0.00
HSL	4°, 100%, 70%
HSV	4°, 60%, 100%
XYZ	49.4324, 33.8077, 16.4905
YIQ	153.6170, 88.4380, 27.2060

Conversions

Conversions Part 2

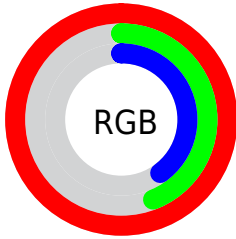
Format	Color
R _Y B	255, 113, 102
Decimal	16740454
CIE Lab	64.81, 53.78, 32.72
CIE LCh	65, 62.948, 31.318
Yxy	33.8077, 0.4957, 0.3390
Android (android.graphics.Color)	4294930534 (0xFFFF7066)
YUV	153.6170, -25.4472, 88.9129
Hunter-Lab	58.1444, 50.0020, 23.8857

Details

The XYZ color **49.4324, 33.8077, 16.4905** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.1791, 75.3440, 106.1890**, and the grayscale version is **30.6294, 32.2245, 35.0925**.

A 20% lighter version of the original color is **60.9924, 51.5652, 36.8754**, and **23.8420, 14.3106, 5.1200** is the 20% darker color. If you saturate the color by 10%, you get **46.0660, 28.7973, 10.0596**, and if you desaturate by 10%, it is **53.8850, 40.3688, 25.2021**.

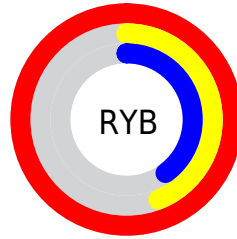
Distribution



Red (100%)

Green (44%)

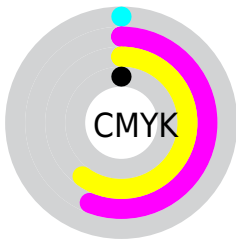
Blue (40%)



Red (100%)

Yellow (44%)

Blue (40%)

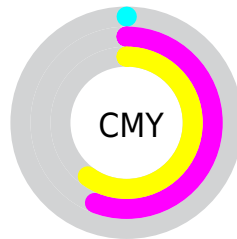


Cyan (0%)

Magenta (56%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4324, 33.8077, 16.4905 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 49.4324, 33.8077, 16.4905 by changing the saturation by 10% instead.


 49.4324, 33.8077,
16.4905


 49.4324, 33.8077,
16.4905


374.9309,
319.2737, 244.1627


 35.1786, 22.7459,
9.7138


 88.5302, 65.6345,
38.2262


 23.9676, 14.4060,
5.1065


 114.1048, 87.1683,
54.0224

 15.4342, 8.4036,
2.2501


 144.1838,
112.9616, 73.6620

 9.2130, 4.3543,
0.7030

 179.1325,
143.3987, 97.5638

 4.9386, 1.8736,
0.0000

219.3161,
178.8641, 126.1462

 2.2457, 0.5325,
0.0000

265.1002,

 0.7666, 0.0000,

219.7422, 159.8278

0.0000

316.8500,
266.4172, 199.0271

■ 0.0000, 0.0000,
0.0000

■ 49.4324, 33.8077,
16.4905

■ 49.4324, 33.8077,
16.4905

■ 46.0660, 28.7973,
10.0596

■ 53.8850, 40.3688,
25.2021

■ 43.6902, 25.2048,
5.6944

■ 59.5037, 48.5881,
36.3796

■ 42.1968, 22.8847,
3.1415

■ 66.3637, 58.5699,
50.1909

■ 41.4353, 21.6510,
1.9952

■ 74.5333, 70.4084,
66.7889

■ 41.4352, 21.6509,
1.9952

■ 84.0756, 84.1912,
86.3149

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.



52.8863, 33.8077, 35.6754



49.4324, 33.8077, 16.4905



41.2409, 33.8077, 8.0966

Triad

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



49.4324, 33.8077, 16.4905



19.1446, 33.8077, 17.6815



32.5355, 33.8077, 112.6138

Complementary

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



49.4324, 33.8077, 16.4905



56.1791, 75.3440, 106.1890

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.



24.4760, 33.8077, 100.2240



49.4324, 33.8077, 16.4905



17.6736, 33.8077, 37.9701

Square

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



49.4324, 33.8077, 16.4905



23.9018, 33.8077, 8.5219



19.4296, 33.8077, 69.3118



42.0658, 33.8077, 98.0036

Rectangle

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



49.4324, 33.8077, 16.4905



34.8355, 33.8077, 6.2378



19.4296, 33.8077, 69.3118



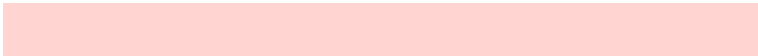
29.5744, 33.8077, 111.4408

Sweetspot

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



49.4332, 33.8096, 16.4911



76.3301, 73.0067, 70.4552



62.8336, 37.4997, 92.2050



15.7822, 14.8228, 13.9468



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.



49.4332, 33.8096, 16.4911



45.5149, 27.9696, 9.0285



61.2285, 57.4002, 20.4229



18.1047, 18.1777, 18.6987



21.6865, 11.3843, 1.0544



2.1434, 1.1722, 0.1133

Inverse Universe

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



56.1791, 75.3440, 106.1890



52.7255, 72.6699, 105.8555



38.0641, 39.1140, 100.1506



18.4471, 20.2659, 23.1894



25.4994, 35.9084, 55.0216



2.5122, 3.5552, 5.3671

Previews

White Background



This preview shows how the XYZ color 49.4324, 33.8077, 16.4905 looks on a white background.

Color Contrast Check

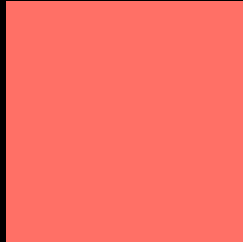
Large Text (above 18pt) WCAG AA × Fail

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 49.4324, 33.8077, 16.4905 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 49.4324, 33.8077, 16.4905

Background



This preview shows how black text looks on a background with the XYZ color 49.4324, 33.8077, 16.4905.



This preview shows how white text looks on a background with the XYZ color 49.4324, 33.8077,

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

49.4324, 33.8077, 16.4905

Protanopia

31.6566, 33.8192, 22.9484

Deuteranopia

34.4578, 33.7153, 15.5181



Tritanopia

50.0859, 33.7199, 21.0083

Trichromacy



Original Color

49.4324, 33.8077, 16.4905

Protanomaly

36.3816, 32.5440, 20.2837

Deuteranomaly

38.7403, 32.7863, 15.8418

Tritanomaly

49.8491, 33.7987, 19.2257

Monochromacy



Original Color

49.4324, 33.8077, 16.4905

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.0917, 31.2909, 27.1119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4324, 33.8077, 16.4905 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, 112, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 102)  
}
```

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, 112, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 102) }
```

Border

The CSS property to change the border of an element to XYZ 49.4324, 33.8077, 16.4905 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, 112, 102) }
```


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

```
.border{ border-color:rgb(255, 112, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4324, 33.8077, 16.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 102) }
```

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

```
.background{ background-color: rgb(255,  
112, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor