

Converting Colors

XYZ(49.4454, 33.9904, 16.0113)

Have a look what the booklet for
XYZ(49.4454, 33.9904, 16.0113)
contains.

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Color

**XYZ(49.4454, 33.9904,
16.0113)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7164
RGB	255, 113, 100
RGB Percent	100%, 44%, 39%
CMY	0.0000, 0.5568, 0.6078
CMYK	0.00, 0.56, 0.61, 0.00
HSL	5°, 100%, 70%
HSV	5°, 61%, 100%
XYZ	49.4454, 33.9904, 16.0113
YIQ	153.9760, 88.8050, 26.0610

Conversions

Conversions Part 2

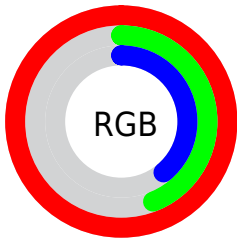
Format	Color
R_{YB}	255, 114, 100
Decimal	16740708
CIE _{Lab}	64.95, 53.19, 34.01
CIE _{LCh}	65, 63.131, 32.599
Yxy	33.9904, 0.4972, 0.3418
Android (android.graphics.Color)	4294930788 (0xFFFF7164)
YUV	153.9760, -26.6102, 88.5980
Hunter-Lab	58.3013, 49.3588, 24.5281

Details

The XYZ color **49.4454, 33.9904, 16.0113** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.0551, 73.4285, 105.8787**, and the grayscale version is **30.7917, 32.3953, 35.2784**.

A 20% lighter version of the original color is **60.8285, 51.4996, 36.0126**, and **23.8939, 14.4896, 4.9056** is the 20% darker color. If you saturate the color by 10%, you get **46.1194, 29.0143, 9.7370**, and if you desaturate by 10%, it is **53.8297, 40.4658, 24.5438**.

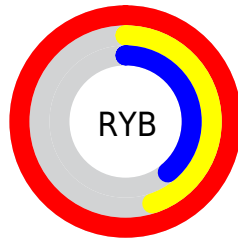
Distribution



Red (100%)

Green (44%)

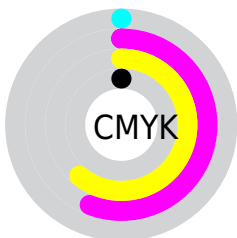
Blue (39%)



Red (100%)

Yellow (45%)

Blue (39%)

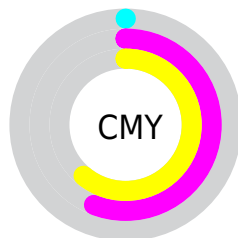


Cyan (0%)

Magenta (56%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4454, 33.9904, 16.0113 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 49.4454, 33.9904, 16.0113 by changing the saturation by 10% instead.


 49.4454, 33.9904,
16.0113


 49.4454, 33.9904,
16.0113


374.9811,
320.0892, 241.2564


 35.1889, 22.8862,
9.3777


 88.5494, 65.9187,
37.3849


 23.9756, 14.5095,
4.8882


 114.1276, 87.5117,
52.9620

 15.4402, 8.4759,
2.1242


 144.2104,
113.3697, 72.3573

 9.2172, 4.4009,
0.6301

 179.1631,
143.8771, 95.9894

 4.9414, 1.9003,
0.0000

219.3512,
179.4184, 124.2768

 2.2473, 0.5485,
0.0000

265.1400,

 0.7675, 0.0000,

220.3779, 157.6381

0.0000

316.8949,
267.1401, 196.4917

■ 0.0000, 0.0000,
0.0000

■ 49.4454, 33.9904,
16.0113

■ 49.4454, 33.9904,
16.0113

■ 46.1194, 29.0143,
9.7370

■ 53.8297, 40.4658,
24.5438

■ 43.7593, 25.4120,
5.5045

■ 59.3496, 48.5419,
35.5200

■ 42.2608, 23.0464,
3.0582

■ 66.0777, 58.3179,
49.1083

■ 41.5154, 21.8111,
2.0219

■ 74.0800, 69.8831,
65.4619

■ 83.4177, 83.3207,
84.7218

94.1479, 98.7087,
107.0195

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.



53.1805, 33.9904, 34.7787



49.4454, 33.9904, 16.0113



41.0672, 33.9904, 7.9319

Triad

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



49.4454, 33.9904, 16.0113



19.1058, 33.9904, 18.3754



33.1086, 33.9904, 113.2587

Complementary

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



49.4454, 33.9904, 16.0113



55.0551, 73.4285, 105.8787

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.



24.8903, 33.9904, 101.8947



49.4454, 33.9904, 16.0113



17.7651, 33.9904, 39.3343

Square

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



49.4454, 33.9904, 16.0113



23.7506, 33.9904, 8.7758



19.6715, 33.9904, 71.1945



42.7048, 33.9904, 97.4860

Rectangle

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



49.4454, 33.9904, 16.0113



34.6185, 33.9904, 6.2068



19.6715, 33.9904, 71.1945



30.1004, 33.9904, 112.4875

Sweetspot

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



49.4462, 33.9923, 16.0119



76.5432, 73.4328, 70.5262



61.8365, 36.7902, 87.9118



15.8329, 14.9243, 13.9637



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.



49.4462, 33.9923, 16.0119



45.5166, 28.1020, 8.6311



62.0439, 59.1877, 20.2111



18.1319, 18.2319, 18.7078



21.7348, 11.4809, 1.0705



2.1562, 1.1978, 0.1175

Inverse Universe

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



55.0551, 73.4285, 105.8787



51.4708, 70.4341, 105.4901



36.6857, 36.6896, 99.7555



18.4168, 20.2052, 23.1793



24.8004, 34.5103, 54.7886



2.4516, 3.4339, 5.3469

Previews

White Background



This preview shows how the XYZ color 49.4454, 33.9904, 16.0113 looks on a white background.

Color Contrast Check

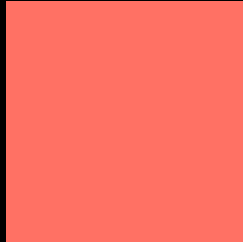
Large Text (above 18pt) WCAG AA × Fail

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 49.4454, 33.9904, 16.0113 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 49.4454, 33.9904, 16.0113

Background



This preview shows how black text looks on a background with the XYZ color 49.4454, 33.9904, 16.0113.



This preview shows how white text looks on a background with the XYZ color 49.4454, 33.9904,

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

49.4454, 33.9904, 16.0113

Protanopia

31.8591, 34.1967, 22.0610

Deuteranopia

34.7806, 34.1300, 15.1105



Tritanopia

50.1945, 33.9369, 21.0445

Trichromacy



Original Color

49.4454, 33.9904, 16.0113

Protanomaly

36.3617, 32.7731, 19.4483

Deuteranomaly

39.0813, 33.1829, 15.4115

Tritanomaly

49.9034, 33.9960, 18.9706

Monochromacy



Original Color

49.4454, 33.9904, 16.0113

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.0216, 31.2628, 26.7428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4454, 33.9904, 16.0113 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, 113, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 100)  
}
```

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, 113, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 100) }
```

Border

The CSS property to change the border of an element to XYZ 49.4454, 33.9904, 16.0113 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, 113, 100) }
```


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

```
.border{ border-color:rgb(255, 113, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4454, 33.9904, 16.0113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 100) }
```

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

```
.background{ background-color: rgb(255,  
113, 100) }
```

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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