

Converting Colors

XYZ(49.7480, 34.3808, 16.7744)

Have a look what the booklet for
XYZ(49.7480, 34.3808, 16.7744)
contains.

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Color

**XYZ(49.8189, 34.5007,
16.8655)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7367
RGB	255, 115, 103
RGB Percent	100%, 45%, 40%
CMY	0.0000, 0.5490, 0.5961
CMYK	0.00, 0.55, 0.60, 0.00
HSL	5°, 100%, 70%
HSV	5°, 60%, 100%
XYZ	49.8189, 34.5007, 16.8655
YIQ	155.4920, 87.2920, 25.9480

Conversions

Conversions Part 2

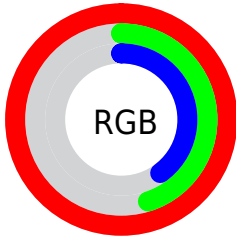
Format	Color
R_{YB}	255, 116, 103
Decimal	16741223
CIE _{Lab}	65.36, 52.46, 32.86
CIE _{LCh}	65, 61.902, 32.066
Yxy	34.5007, 0.4924, 0.3410
Android (android.graphics.Color)	4294931303 (0xFFFF7367)
YUV	155.4920, -25.8786, 87.2685
Hunter-Lab	58.7373, 48.6071, 24.0919

Details

The XYZ color **49.8189, 34.5007, 16.8655** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.6917, 74.2000, 105.9940**, and the grayscale version is **31.4592, 33.0975, 36.0432**.

A 20% lighter version of the original color is **61.4475, 52.3425, 37.4363**, and **24.3220, 14.8547, 5.3267** is the 20% darker color. If you saturate the color by 10%, you get **46.3831, 29.3747, 10.3395**, and if you desaturate by 10%, it is **54.3287, 41.1507, 25.6748**.

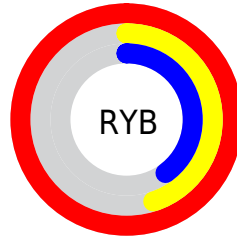
Distribution



Red (100%)

Green (45%)

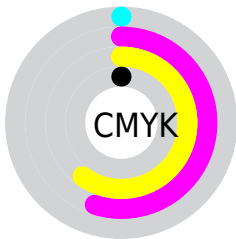
Blue (40%)



Red (100%)

Yellow (45%)

Blue (40%)

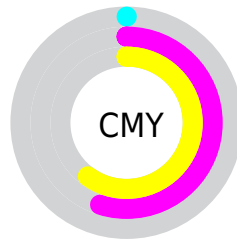


Cyan (0%)

Magenta (55%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8189, 34.5007, 16.8655 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 49.8189, 34.5007, 16.8655 by changing the saturation by 10% instead.


 49.8189, 34.5007,
16.8655

 49.8189, 34.5007,
16.8655


376.4210,
322.3589, 246.4138

 35.4867, 23.2785,
9.9777


 89.0999, 66.7115,
38.8819

 24.2063, 14.7993,
5.2788


 114.7795, 88.4690,
54.8475

 15.6123, 8.6786,
2.3501


 144.9722,
114.5070, 74.6762

 9.3393, 4.5322,
0.7591

 180.0435,
145.2099, 98.7864

 5.0220, 1.9755,
0.0000

220.3587,
180.9622, 127.5967

 2.2951, 0.5932,
0.0000

266.2831,

 0.7922, 0.0000,

222.1482, 161.5257

0.0000

318.1821,
269.1523, 200.9919

■ 0.0000, 0.0000,
0.0000

■ 49.8189, 34.5007,
16.8655

■ 49.8189, 34.5007,
16.8655

■ 46.3831, 29.3747,
10.3395

■ 54.3287, 41.1507,
25.6748

■ 43.9290, 25.6466,
5.8839

■ 59.9893, 49.4264,
36.9507

■ 42.3533, 23.1795,
3.2487

■ 66.8736, 59.4277,
50.8599

■ 41.5147, 21.8009,
2.0487

■ 75.0477, 71.2444,
67.5542

■ 41.4925, 21.7653,
2.0142

■ 84.5727, 84.9603,
87.1736

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.



53.3870, 34.5007, 35.8013



49.8189, 34.5007, 16.8655



41.6180, 34.5007, 8.5317

Triad

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



49.8189, 34.5007, 16.8655



19.7183, 34.5007, 18.7521



33.4218, 34.5007, 112.4057

Complementary

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



49.8189, 34.5007, 16.8655



55.6917, 74.2000, 105.9940

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.



25.3111, 34.5007, 100.8598



49.8189, 34.5007, 16.8655



18.3193, 34.5007, 39.3866

Square

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



49.8189, 34.5007, 16.8655



24.4099, 34.5007, 9.2165



20.1675, 34.5007, 70.6364



42.9017, 34.5007, 97.4366

Rectangle

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



49.8189, 34.5007, 16.8655



35.2478, 34.5007, 6.7011



20.1675, 34.5007, 70.6364



30.4527, 34.5007, 111.4867

Sweetspot

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



49.8197, 34.5026, 16.8661



76.4864, 73.3192, 70.5073



62.5512, 37.5450, 90.2293



15.8194, 14.8972, 13.9592



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.



49.8197, 34.5026, 16.8661



45.7103, 28.3603, 9.0937



61.9143, 58.6918, 20.8976



18.1246, 18.2175, 18.7054



21.7211, 11.4535, 1.0659



2.1528, 1.1909, 0.1164

Inverse Universe

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



55.6917, 74.2000, 105.9940



51.9843, 71.1874, 105.6084



37.8068, 38.4301, 100.0324



18.4249, 20.2213, 23.1820



24.9847, 34.8789, 54.8501



2.4676, 3.4659, 5.3522

Previews

White Background



This preview shows how the XYZ color 49.8189, 34.5007, 16.8655 looks on a white background.

Color Contrast Check

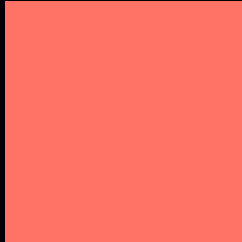
Large Text (above 18pt) WCAG AA × Fail

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 49.8189, 34.5007, 16.8655 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 49.8189, 34.5007, 16.8655

Background



This preview shows how black text looks on a background with the XYZ color 49.8189, 34.5007, 16.8655.



This preview shows how white text looks on a background with the XYZ color 49.8189, 34.5007,

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

49.8189, 34.5007, 16.8655

Protanopia

32.4269, 34.7228, 23.0822

Deuteranopia

35.3319, 34.6385, 15.8900



Tritanopia

50.5963, 34.4507, 22.0721

Trichromacy



Original Color

49.8189, 34.5007, 16.8655

Protanomaly

36.9471, 33.2773, 20.3954

Deuteranomaly

39.8037, 33.9650, 16.2624

Tritanomaly

50.2946, 34.5095, 19.9298

Monochromacy



Original Color

49.8189, 34.5007, 16.8655

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.3079, 31.6101, 27.5330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8189, 34.5007, 16.8655 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, 115, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 103)  
}
```

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, 115, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 103) }
```

Border

The CSS property to change the border of an element to XYZ 49.8189, 34.5007, 16.8655 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, 115, 103) }
```


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

```
.border{ border-color:rgb(255, 115, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8189, 34.5007, 16.8655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 103) }
```

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

```
.background{ background-color: rgb(255,  
115, 103) }
```

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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