

Converting Colors

XYZ(79.0749, 49.8872, 17.3371)

Have a look what the booklet for
XYZ(79.0749, 49.8872, 17.3371)
contains.

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Color

**XYZ(49.8534, 34.8834,
15.9100)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7563
RGB	255, 117, 99
RGB Percent	100%, 46%, 39%
CMY	0.0000, 0.5411, 0.6118
CMYK	0.00, 0.54, 0.61, 0.00
HSL	7°, 100%, 69%
HSV	7°, 61%, 100%
XYZ	49.8534, 34.8834, 15.9100
YIQ	156.2100, 88.0260, 23.6580

Conversions

Conversions Part 2

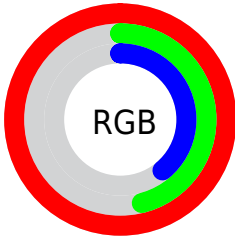
Format	Color
R _Y B	255, 119, 99
Decimal	16741731
CIE Lab	65.66, 51.26, 35.45
CIE LCh	66, 62.322, 34.665
Yxy	34.8834, 0.4953, 0.3466
Android (android.graphics.Color)	4294931811 (0xFFFF7563)
YUV	156.2100, -28.2045, 86.6388
Hunter-Lab	59.0622, 47.3101, 25.3721

Details

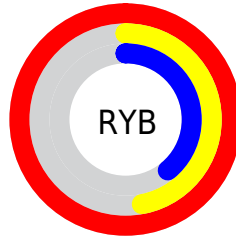
The XYZ color **49.8534, 34.8834, 15.9100** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **53.4775, 70.4365, 105.3843**, and the grayscale version is **31.7894, 33.4449, 36.4215**.

A 20% lighter version of the original color is **61.4975, 52.9671, 35.8366**, and **24.1356, 15.0094, 4.8738** is the 20% darker color. If you saturate the color by 10%, you get **46.5021, 29.8336, 9.6983**, and if you desaturate by 10%, it is **54.2243, 41.3571, 24.3601**.

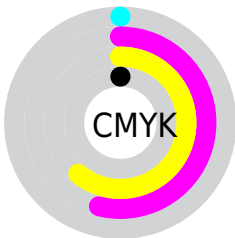
Distribution



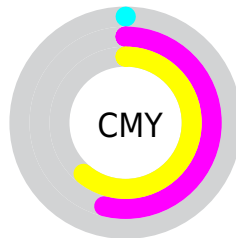
- Red (100%)
- Green (46%)
- Blue (39%)



- Red (100%)
- Yellow (47%)
- Blue (39%)



- Cyan (0%)
- Magenta (54%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8534, 34.8834, 15.9100 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 49.8534, 34.8834, 15.9100 by changing the saturation by 10% instead.


 49.8534, 34.8834,
15.9100


 49.8534, 34.8834,
15.9100


376.5538,
324.0534, 240.6376


 35.5142, 23.5731,
9.3068


 89.1508, 67.3051,
37.2065


 24.2276, 15.0172,
4.8423


 114.8397, 89.1853,
52.7369

 15.6282, 8.8315,
2.0979


 145.0425,
115.3575, 72.0801

 9.3506, 4.6314,
0.6145

 180.1247,
146.2062, 95.6547

 5.0295, 2.0327,
0.0000

220.4516,
182.1157, 123.8793

 2.2995, 0.6264,
0.0000

266.3885,

 0.7944, 0.0000,

223.4705, 157.1722

0.0000

318.3008,
270.6549, 195.9521

■ 0.0000, 0.0000,
0.0000

■ 49.8534, 34.8834,
15.9100

■ 49.8534, 34.8834,
15.9100

■ 46.5021, 29.8336,
9.6983

■ 54.2243, 41.3571,
24.3601

■ 44.0839, 26.0945,
5.5097

■ 59.6866, 49.3453,
35.2334

■ 42.5020, 23.5449,
3.0892

■ 66.3085, 58.9380,
48.6972

■ 41.6899, 22.1601,
2.0800

■ 74.1521, 70.2161,
64.9037

■ 83.2746, 83.2555,
83.9932

93.7300, 98.1271,
106.0964

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.



53.9895, 34.8834, 34.0255



49.8534, 34.8834, 15.9100



41.2774, 34.8834, 8.2005

Triad

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



49.8534, 34.8834, 15.9100



19.6490, 34.8834, 20.2288



34.6088, 34.8834, 113.6967

Complementary

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



49.8534, 34.8834, 15.9100



53.4775, 70.4365, 105.3843

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.



26.1759, 34.8834, 104.2426



49.8534, 34.8834, 15.9100



18.5175, 34.8834, 42.2341

Square

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



49.8534, 34.8834, 15.9100



24.1132, 34.8834, 9.7673



20.6771, 34.8834, 74.5008



44.2158, 34.8834, 96.4057

Rectangle

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



49.8534, 34.8834, 15.9100



34.8202, 34.8834, 6.6437



20.6771, 34.8834, 74.5008



31.5450, 34.8834, 113.5900

Sweetspot

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



49.8542, 34.8853, 15.9106



76.9085, 74.1634, 70.6480



61.3408, 36.4394, 85.7717



15.9200, 15.0985, 13.9927



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.



49.8542, 34.8853, 15.9106



45.9942, 29.0573, 8.7903



62.4736, 60.1241, 20.1171



18.1782, 18.3245, 18.7232



21.8372, 11.6856, 1.1046



2.1780, 1.2414, 0.1248

Inverse Universe

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



53.4775, 70.4365, 105.3843



49.7778, 67.0480, 104.9257



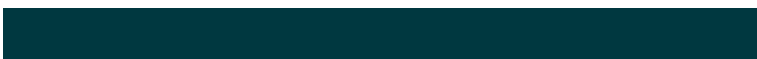
36.0106, 35.5026, 99.5619



18.3653, 20.1022, 23.1621



23.6518, 32.2132, 54.4058



2.3515, 3.2337, 5.3135

Previews

White Background



This preview shows how the XYZ color 49.8534, 34.8834, 15.9100 looks on a white background.

Color Contrast Check

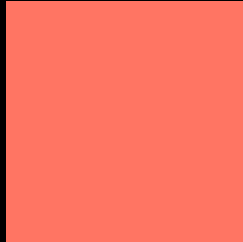
Large Text (above 18pt) WCAG AA × Fail

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 49.8534, 34.8834, 15.9100 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 49.8534, 34.8834, 15.9100

Background



This preview shows how black text looks on a background with the XYZ color 49.8534, 34.8834, 15.9100.



This preview shows how white text looks on a background with the XYZ color 49.8534, 34.8834,

15.9100.

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

49.8534, 34.8834, 15.9100

Protanopia

32.7364, 35.1732, 21.5867

Deuteranopia

35.8287, 35.1573, 15.0229



Tritanopia

50.8836, 34.9266, 22.4720

Trichromacy



Original Color

49.8534, 34.8834, 15.9100

Protanomaly

37.1449, 33.6289, 19.2851

Deuteranomaly

40.0589, 34.3341, 15.3423

Tritanomaly

50.5227, 34.9657, 20.0058

Monochromacy



Original Color

49.8534, 34.8834, 15.9100

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.7844, 32.3017, 27.2705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8534, 34.8834, 15.9100 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, 117, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 99)  
}
```

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, 117, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 99) }
```

Border

The CSS property to change the border of an element to XYZ 49.8534, 34.8834, 15.9100 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, 117, 99) }
```


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

```
.border{ border-color:rgb(255, 117, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8534, 34.8834, 15.9100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 99) }
```

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

```
.background{ background-color: rgb(255,  
117, 99) }
```

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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