

Converting Colors

XYZ(61.5262, 40.9045, 16.2935)

Have a look what the booklet for
XYZ(61.5262, 40.9045, 16.2935)
contains.

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Color

**XYZ(49.8059, 34.8644,
15.6597)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7562
RGB	255, 117, 98
RGB Percent	100%, 46%, 38%
CMY	0.0000, 0.5411, 0.6157
CMYK	0.00, 0.54, 0.62, 0.00
HSL	7°, 100%, 69%
HSV	7°, 62%, 100%
XYZ	49.8059, 34.8644, 15.6597
YIQ	156.0960, 88.3470, 23.3470

Conversions

Conversions Part 2

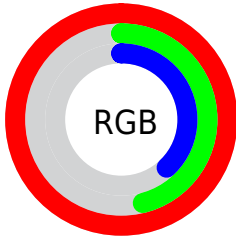
Format	Color
R_{YB}	255, 120, 98
Decimal	16741730
CIE _{Lab}	65.64, 51.20, 35.98
CIE _{LCh}	66, 62.572, 35.098
Yxy	34.8644, 0.4964, 0.3475
Android (android.graphics.Color)	4294931810 (0xFFFF7562)
YUV	156.0960, -28.6413, 86.7388
Hunter-Lab	59.0461, 47.2357, 25.6079

Details

The XYZ color **49.8059, 34.8644, 15.6597** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **53.0802, 69.8031, 105.2830**, and the grayscale version is **31.7402, 33.3931, 36.3651**.

A 20% lighter version of the original color is **61.4173, 52.9350, 35.4142**, and **24.1133, 15.0005, 4.7564** is the 20% darker color. If you saturate the color by 10%, you get **46.4818, 29.8461, 9.5280**, and if you desaturate by 10%, it is **54.1401, 41.2900, 24.0200**.

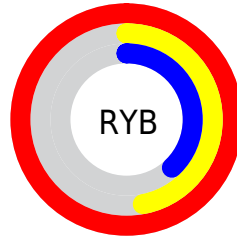
Distribution



Red (100%)

Green (46%)

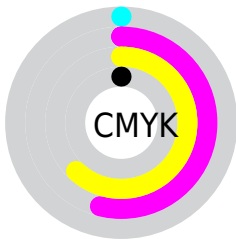
Blue (38%)



Red (100%)

Yellow (47%)

Blue (38%)

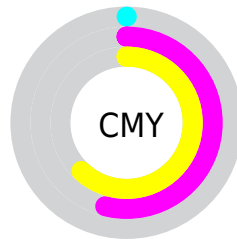


Cyan (0%)

Magenta (54%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8059, 34.8644, 15.6597 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 49.8059, 34.8644, 15.6597 by changing the saturation by 10% instead.


 49.8059, 34.8644,
15.6597


 49.8059, 34.8644,
15.6597

376.3710,
323.9694, 239.1020

 35.4764, 23.5584,
9.1319


 89.0808, 67.2756,
36.7649

 24.1983, 15.0064,
4.7293


 114.7568, 89.1497,
52.1795

 15.6063, 8.8239,
2.0334

 144.9457,
115.3153, 71.3934

 9.3351, 4.6265,
0.5757

 180.0129,
146.1568, 94.8252

 5.0192, 2.0298,
0.0000

220.3236,
182.0585, 122.8934

 2.2934, 0.6247,
0.0000

266.2433,

 0.7913, 0.0000,

223.4049, 156.0166

0.0000

318.1373,
270.5804, 194.6132

■ 0.0000, 0.0000,
0.0000

■ 49.8059, 34.8644,
15.6597

■ 49.8059, 34.8644,
15.6597

■ 46.4818, 29.8461,
9.5280

■ 54.1401, 41.2900,
24.0200

■ 44.0821, 26.1236,
5.4084

■ 59.5558, 49.2120,
34.7941

■ 42.5107, 23.5775,
3.0444

■ 66.1205, 58.7190,
48.1499

■ 41.7265, 22.2332,
2.0922

■ 73.8956, 69.8908,
64.2397

■ 82.9381, 82.8021,
83.2040

93.3013, 97.5227,
105.1736

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.



54.0463, 34.8644, 33.6386



49.8059, 34.8644, 15.6597



41.1518, 34.8644, 8.0695

Triad

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



49.8059, 34.8644, 15.6597



19.5513, 34.8644, 20.3860



34.7331, 34.8644, 114.0058

Complementary

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



49.8059, 34.8644, 15.6597



53.0802, 69.8031, 105.2830

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.



26.2379, 34.8644, 104.8803



49.8059, 34.8644, 15.6597



18.4652, 34.8644, 42.6396

Square

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



49.8059, 34.8644, 15.6597



23.9778, 34.8644, 9.7800



20.6771, 34.8644, 75.1421



44.3755, 34.8644, 96.2706

Rectangle

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



49.8059, 34.8644, 15.6597



34.6712, 34.8644, 6.5638



20.6771, 34.8644, 75.1421



31.6498, 34.8644, 114.0371

Sweetspot

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



49.8067, 34.8663, 15.6603



76.9742, 74.2948, 70.6699



60.8474, 36.0914, 83.6375



15.9357, 15.1299, 13.9979



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.



49.8067, 34.8663, 15.6603



45.8167, 28.8259, 8.3499



62.9185, 61.0899, 20.0309



18.1865, 18.3412, 18.7260



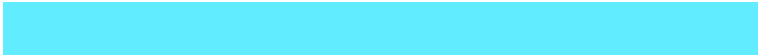
21.8583, 11.7277, 1.1116



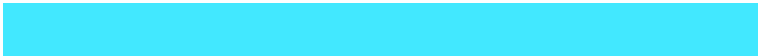
2.1819, 1.2492, 0.1261

Inverse Universe

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



53.0802, 69.8031, 105.2830



49.2172, 66.1890, 104.7895



35.3453, 34.3332, 99.3714



18.3561, 20.0838, 23.1590



23.4519, 31.8133, 54.3391



2.3340, 3.1988, 5.3077

Previews

White Background



This preview shows how the XYZ color 49.8059, 34.8644, 15.6597 looks on a white background.

Color Contrast Check

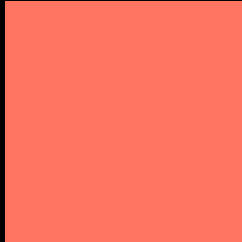
Large Text (above 18pt) WCAG AA × Fail

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 49.8059, 34.8644, 15.6597 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 49.8059, 34.8644, 15.6597

Background



This preview shows how black text looks on a background with the XYZ color 49.8059, 34.8644, 15.6597.



This preview shows how white text looks on a background with the XYZ color 49.8059, 34.8644,

15.6597.

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

49.8059, 34.8644, 15.6597

Protanopia

32.6786, 35.1501, 21.2820

Deuteranopia

35.6222, 34.8139, 14.7398



Tritanopia

50.8836, 34.9266, 22.4720

Trichromacy



Original Color

49.8059, 34.8644, 15.6597

Protanomaly

37.0907, 33.6072, 18.9999

Deuteranomaly

39.8683, 34.0251, 15.0559

Tritanomaly

50.4660, 34.9430, 19.7076

Monochromacy



Original Color

49.8059, 34.8644, 15.6597

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 49.8059, 34.8644, 15.6597 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 98) }
```

Border

The CSS property to change the border of an element to XYZ 49.8059, 34.8644, 15.6597 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, 98) }
```


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

```
.border{ border-color:rgb(255, 117, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8059, 34.8644, 15.6597 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, 98) }
```

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

```
.background{ background-color: rgb(255,  
117, 98) }
```

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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