

Converting Colors

XYZ(50.0527, 35.0481, 16.6973)

Have a look what the booklet for
XYZ(50.0527, 35.0481, 16.6973)
contains.

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Color

**XYZ(49.9996, 34.9419,
16.6796)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7566
RGB	255, 117, 102
RGB Percent	100%, 46%, 40%
CMY	0.0000, 0.5411, 0.6000
CMYK	0.00, 0.54, 0.60, 0.00
HSL	6°, 100%, 70%
HSV	6°, 60%, 100%
XYZ	49.9996, 34.9419, 16.6796
YIQ	156.5520, 87.0630, 24.5910

Conversions

Conversions Part 2

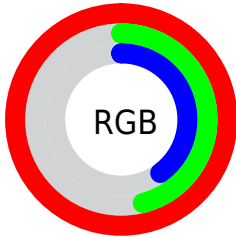
Format	Color
R_{YB}	255, 119, 102
Decimal	16741734
CIE _{Lab}	65.70, 51.46, 33.85
CIE _{LCh}	66, 61.594, 33.342
Yxy	34.9419, 0.4920, 0.3438
Android (android.graphics.Color)	4294931814 (0xFFFF7566)
YUV	156.5520, -26.8941, 86.3389
Hunter-Lab	59.1117, 47.5388, 24.6483

Details

The XYZ color **49.9996, 34.9419, 16.6796** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **54.6874, 72.3604, 105.6920**, and the grayscale version is **31.9373, 33.6006, 36.5910**.

A 20% lighter version of the original color is **61.7423, 53.0650, 37.1254**, and **24.4045, 15.0585, 5.2348** is the 20% darker color. If you saturate the color by 10%, you get **46.5654, 29.7959, 10.2261**, and if you desaturate by 10%, it is **54.4825, 41.5636, 25.4014**.

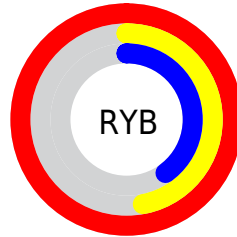
Distribution



Red (100%)

Green (46%)

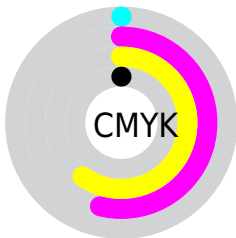
Blue (40%)



Red (100%)

Yellow (47%)

Blue (40%)

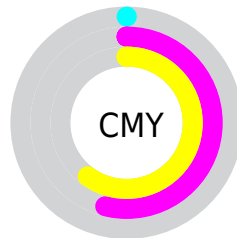


Cyan (0%)

Magenta (54%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (54%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9996, 34.9419, 16.6796 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 49.9996, 34.9419, 16.6796 by changing the saturation by 10% instead.


 49.9996, 34.9419,
16.6796


 49.9996, 34.9419,
16.6796


377.1164,
324.3118, 245.3003

 35.6309, 23.6181,
9.8468


 89.3661, 67.3958,
38.5571

 24.3180, 15.0506,
5.1932

 115.0946, 89.2946,
54.4389

 15.6957, 8.8549,
2.3004


 145.3404,
115.4873, 74.1742

 9.3986, 4.6467,
0.7314

 180.4689,
146.3582, 98.1813

 5.0612, 2.0415,
0.0000

220.8453,
182.2917, 126.8790

 2.3184, 0.6314,
0.0000

266.8352,

 0.8040, 0.0000,

223.6722, 160.6857

0.0000

318.8037,
270.8841, 200.0199

■ 0.0000, 0.0000,
0.0000

■ 49.9996, 34.9419,
16.6796

■ 49.9996, 34.9419,
16.6796

■ 46.5654, 29.7959,
10.2261

■ 54.4825, 41.5636,
25.4014

■ 44.0913, 26.0068,
5.8281

■ 60.0879, 49.7563,
36.5744

■ 42.4782, 23.4472,
3.2352

■ 66.8860, 59.6142,
50.3652

■ 41.5878, 21.9558,
2.0460

■ 74.9403, 71.2222,
66.9249

■ 41.5877, 21.9557,
2.0460

■ 84.3099, 84.6595,
86.3933

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.



53.8217, 34.9419, 35.2100



49.9996, 34.9419, 16.6796



41.6592, 34.9419, 8.6030

Triad

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



49.9996, 34.9419, 16.6796



19.9451, 34.9419, 19.7599



34.2375, 34.9419, 112.7793

Complementary

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



49.9996, 34.9419, 16.6796



54.6874, 72.3604, 105.6920

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.



25.9903, 34.9419, 102.3465



49.9996, 34.9419, 16.6796



18.6756, 34.9419, 41.0299

Square

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



49.9996, 34.9419, 16.6796



24.5246, 34.9419, 9.7286



20.6770, 34.9419, 72.5965



43.7394, 34.9419, 96.8217

Rectangle

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



49.9996, 34.9419, 16.6796



35.2729, 34.9419, 6.8875



20.6770, 34.9419, 72.5965



31.2315, 34.9419, 112.2606

Sweetspot

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



50.0004, 34.9438, 16.6802



76.7070, 73.7604, 70.5808



62.0559, 37.1887, 88.1086



15.8720, 15.0024, 13.9767



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.



50.0004, 34.9438, 16.6802



45.9967, 28.9331, 9.1891



62.3236, 59.5901, 20.7879



18.1527, 18.2735, 18.7147



21.7776, 11.5664, 1.0847



2.1660, 1.2174, 0.1208

Inverse Universe

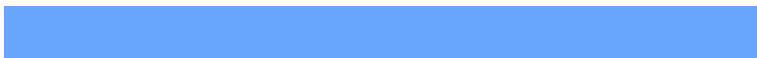
The Inverse Universe completely reimagines the original color for something new.



54.6874, 72.3604, 105.6920



50.9596, 69.1380, 105.2669



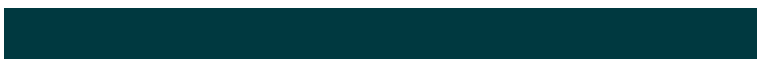
37.1205, 37.2266, 99.8363



18.3936, 20.1589, 23.1715



24.2776, 33.4648, 54.6144



2.4061, 3.3430, 5.3317

Previews

White Background



This preview shows how the XYZ color 49.9996, 34.9419, 16.6796 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 49.9996, 34.9419, 16.6796 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 49.9996, 34.9419, 16.6796

Background



This preview shows how black text looks on a background with the XYZ color 49.9996, 34.9419, 16.6796.



This preview shows how white text looks on a background with the XYZ color 49.9996, 34.9419,

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

49.9996, 34.9419, 16.6796

Protanopia

32.7556, 35.1556, 22.8286

Deuteranopia

35.7507, 35.0963, 15.9563



Tritanopia

50.9459, 34.9515, 22.8001

Trichromacy



Original Color

49.9996, 34.9419, 16.6796

Protanomaly

37.3110, 33.6953, 20.1601

Deuteranomaly

39.9016, 34.2369, 16.0606

Tritanomaly

50.5799, 34.9886, 20.3073

Monochromacy



Original Color

49.9996, 34.9419, 16.6796

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

36.1807, 32.4896, 28.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9996, 34.9419, 16.6796 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 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, 117, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 102) }
```

Border

The CSS property to change the border of an element to XYZ 49.9996, 34.9419, 16.6796 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, 102) }
```


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

```
.border{ border-color:rgb(255, 117, 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, 117, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9996, 34.9419, 16.6796 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
117, 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](#).

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