

Converting Colors

XYZ(49.7405, 34.4238, 16.5932)

Have a look what the booklet for
XYZ(49.7405, 34.4238, 16.5932)
contains.

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Color

**XYZ(49.7690, 34.4808,
16.6027)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7366
RGB	255, 115, 102
RGB Percent	100%, 45%, 40%
CMY	0.0000, 0.5490, 0.6000
CMYK	0.00, 0.55, 0.60, 0.00
HSL	5°, 100%, 70%
HSV	5°, 60%, 100%
XYZ	49.7690, 34.4808, 16.6027
YIQ	155.3780, 87.6130, 25.6370

Conversions

Conversions Part 2

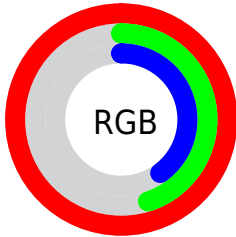
Format	Color
R_{YB}	255, 116, 102
Decimal	16741222
CIE _{Lab}	65.34, 52.39, 33.40
CIE _{LCh}	65, 62.130, 32.516
Yxy	34.4808, 0.4935, 0.3419
Android (android.graphics.Color)	4294931302 (0xFFFF7366)
YUV	155.3780, -26.3154, 87.3685
Hunter-Lab	58.7204, 48.5288, 24.3405

Details

The XYZ color **49.7690, 34.4808, 16.6027** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.2791, 73.5440, 105.8891**, and the grayscale version is **31.4103, 33.0461, 35.9872**.

A 20% lighter version of the original color is **61.3645, 52.3094, 36.9994**, and **24.2978, 14.8450, 5.1992** is the 20% darker color. If you saturate the color by 10%, you get **46.3610, 29.3871, 10.1579**, and if you desaturate by 10%, it is **54.2407, 41.0802, 25.3207**.

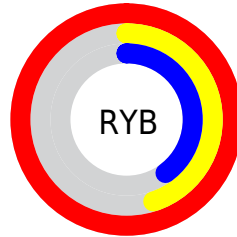
Distribution



Red (100%)

Green (45%)

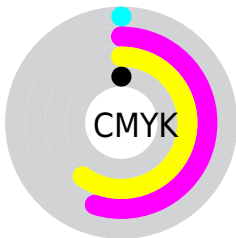
Blue (40%)



Red (100%)

Yellow (45%)

Blue (40%)

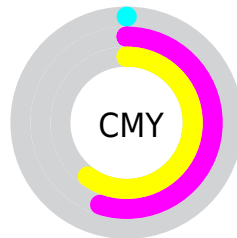


Cyan (0%)

Magenta (55%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7690, 34.4808, 16.6027 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 49.7690, 34.4808, 16.6027 by changing the saturation by 10% instead.


 49.7690, 34.4808,
16.6027


 49.7690, 34.4808,
16.6027


376.2288,
322.2706, 244.8383

 35.4469, 23.2632,
9.7927


 89.0264, 66.6807,
38.4226

 24.1755, 14.7880,
5.1579

 114.6924, 88.4317,
54.2697

 15.5893, 8.6707,
2.2799


 144.8705,
114.4627, 73.9661

 9.3230, 4.5270,
0.7199

 179.9260,
145.1580, 97.9305

 5.0112, 1.9725,
0.0000

220.2242,
180.9021, 126.5813

 2.2887, 0.5914,
0.0000

266.1305,

 0.7889, 0.0000,

222.0793, 160.3372

0.0000

318.0103,
269.0740, 199.6167

■ 0.0000, 0.0000,
0.0000

■ 49.7690, 34.4808,
16.6027

■ 49.7690, 34.4808,
16.6027

■ 46.3610, 29.3871,
10.1579

■ 54.2407, 41.0802,
25.3207

■ 43.9254, 25.6750,
5.7727

■ 59.8524, 49.2853,
36.4958

■ 42.3596, 23.2100,
3.1957

■ 66.6760, 59.1943,
50.2950

■ 41.5206, 21.8216,
2.0236

■ 74.7770, 70.8956,
66.8703

■ 41.5206, 21.8215,
2.0236

■ 84.2160, 84.4718,
86.3618

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.



53.4419, 34.4808, 35.3960



49.7690, 34.4808, 16.6027



41.4890, 34.4808, 8.3962

Triad

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



49.7690, 34.4808, 16.6027



19.6193, 34.4808, 18.9033



33.5436, 34.4808, 112.7092

Complementary

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



49.7690, 34.4808, 16.6027



55.2791, 73.5440, 105.8891

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.



25.3720, 34.4808, 101.4846



49.7690, 34.4808, 16.6027



18.2668, 34.4808, 39.7767

Square

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



49.7690, 34.4808, 16.6027



24.2716, 34.4808, 9.2292



20.1675, 34.4808, 71.2585



43.0584, 34.4808, 97.2938

Rectangle

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



49.7690, 34.4808, 16.6027



35.0951, 34.4808, 6.6203



20.1675, 34.4808, 71.2585



30.5556, 34.4808, 111.9264

Sweetspot

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



49.7698, 34.4827, 16.6033



76.5559, 73.4581, 70.5304



62.0558, 37.1886, 88.1084



15.8359, 14.9303, 13.9647



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.



49.7698, 34.4827, 16.6033



45.7992, 28.5380, 9.1233



62.3235, 59.5900, 20.7878



18.1335, 18.2351, 18.7083



21.7380, 11.4871, 1.0715



2.1570, 1.1993, 0.1178

Inverse Universe

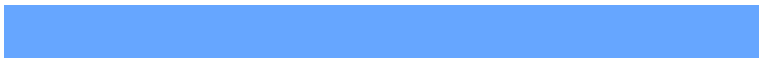
The Inverse Universe completely reimagines the original color for something new.



55.2791, 73.5440, 105.8891



51.6589, 70.5367, 105.5000



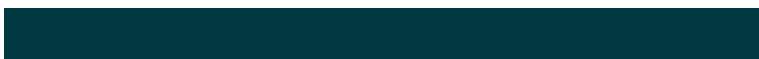
37.1204, 37.2265, 99.8362



18.4150, 20.2016, 23.1787



24.7596, 34.4287, 54.7750



2.4481, 3.4268, 5.3457

Previews

White Background



This preview shows how the XYZ color 49.7690, 34.4808, 16.6027 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 49.7690, 34.4808, 16.6027 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 49.7690, 34.4808, 16.6027

Background



This preview shows how black text looks on a background with the XYZ color 49.7690, 34.4808, 16.6027.



This preview shows how white text looks on a background with the XYZ color 49.7690, 34.4808,

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

49.7690, 34.4808, 16.6027

Protanopia

32.3659, 34.6984, 22.7609

Deuteranopia

35.2861, 34.6202, 15.6491



Tritanopia

50.5963, 34.4507, 22.0721

Trichromacy



Original Color

49.7690, 34.4808, 16.6027

Protanomaly

36.8905, 33.2547, 20.0972

Deuteranomaly

39.7561, 33.9460, 16.0121

Tritanomaly

50.2946, 34.5095, 19.9298

Monochromacy



Original Color

49.7690, 34.4808, 16.6027

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 49.7690, 34.4808, 16.6027 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 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, 115, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 102) }
```

Border

The CSS property to change the border of an element to XYZ 49.7690, 34.4808, 16.6027 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, 102) }
```


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

```
.border{ border-color:rgb(255, 115, 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, 115, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7690, 34.4808, 16.6027 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, 102) }
```

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

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