

Converting Colors

XYZ(48.4709, 31.8845, 16.1700)

Have a look what the booklet for
XYZ(48.4709, 31.8845, 16.1700)
contains.

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Color

**XYZ(48.4885, 31.9198,
16.1759)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6766
RGB	255, 103, 102
RGB Percent	100%, 40%, 40%
CMY	0.0000, 0.5960, 0.6000
CMYK	0.00, 0.60, 0.60, 0.00
HSL	0°, 100%, 70%
HSV	0°, 60%, 100%
XYZ	48.4885, 31.9198, 16.1759
YIQ	148.3340, 90.9130, 31.9130

Conversions

Conversions Part 2

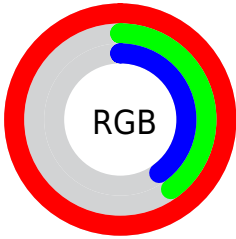
Format	Color
R _Y B	255, 103, 102
Decimal	16738150
CIE Lab	63.28, 57.81, 30.76
CIE LCh	63, 65.483, 28.016
Yxy	31.9198, 0.5020, 0.3305
Android (android.graphics.Color)	4294928230 (0xFFFF6766)
YUV	148.3340, -22.8427, 93.5461
Hunter-Lab	56.4976, 54.3250, 22.5729

Details

The XYZ color **48.4885, 31.9198, 16.1759** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.9684, 80.9226, 107.1189**, and the grayscale version is **28.3550, 29.8316, 32.4866**.

A 20% lighter version of the original color is **59.3879, 48.3562, 36.3406**, and **23.3662, 13.3591, 4.9615** is the 20% darker color. If you saturate the color by 10%, you get **45.2633, 27.1917, 9.7921**, and if you desaturate by 10%, it is **52.8670, 38.3328, 24.8628**.

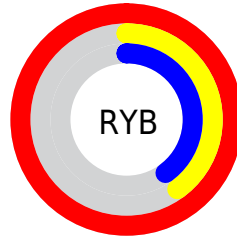
Distribution



Red (100%)

Green (40%)

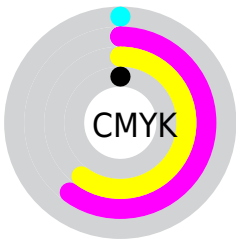
Blue (40%)



Red (100%)

Yellow (40%)

Blue (40%)

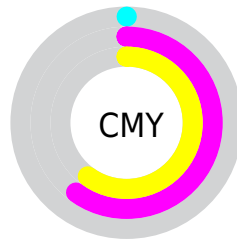


Cyan (0%)

Magenta (60%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4885, 31.9198, 16.1759 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 48.4885, 31.9198, 16.1759 by changing the saturation by 10% instead.


 48.4885, 31.9198,
16.1759


 48.4885, 31.9198,
16.1759


371.2756,
310.7538, 242.2585


 34.4268, 21.3002,
9.4930

 87.1366, 62.6853,
37.6743


 23.3861, 13.3437,
4.9629


 112.4536, 83.6001,
53.3270

 15.0011, 7.6656,
2.1672


 142.2532,
108.7154, 72.8066

 8.9065, 3.8817,
0.6553

 176.9006,
138.4157, 96.5317

 4.7369, 1.6076,
0.0000

216.7612,
173.0852, 124.9210

 2.1269, 0.3627,
0.0000

262.2003,

 0.7038, 0.0000,

213.1085, 158.3928

0.0000

313.5833,
258.8699, 197.3658

■ 0.0000, 0.0000,
0.0000

■ 48.4885, 31.9198,
16.1759

■ 48.4885, 31.9198,
16.1759

■ 45.2633, 27.1917,
9.7921

■ 52.8670, 38.3328,
24.8628

■ 43.0808, 23.9859,
5.4912

■ 58.4913, 46.5633,
36.0421

■ 41.8129, 22.1167,
3.0135

■ 65.4471, 56.7366,
49.8854

■ 41.2580, 21.2964,
1.9361

■ 73.8119, 68.9656,
66.5486

■ 41.2580, 21.2964,
1.9361

■ 83.6573, 83.3544,
86.1756

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.



51.3216, 31.9198, 36.5134



48.4885, 31.9198, 16.1759



40.5469, 31.9198, 7.2711

Triad

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



48.4885, 31.9198, 16.1759



17.8192, 31.9198, 14.4429



29.7390, 31.9198, 112.3942

Complementary

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



48.4885, 31.9198, 16.1759



58.9684, 80.9226, 107.1189

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.



22.0063, 31.9198, 96.6731



48.4885, 31.9198, 16.1759



16.0328, 31.9198, 33.0545

Square

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



48.4885, 31.9198, 16.1759



22.8614, 31.9198, 6.6785



17.3990, 31.9198, 63.8947



39.2911, 31.9198, 100.1339

Rectangle

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



48.4885, 31.9198, 16.1759



34.1064, 31.9198, 5.2142



17.3990, 31.9198, 63.8947



26.8594, 31.9198, 110.0948

Sweetspot

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



48.4893, 31.9216, 16.1764



75.6604, 71.6671, 70.2319



64.0411, 37.9828, 98.5633



15.6230, 14.5045, 13.8937



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.



48.4893, 31.9216, 16.1764



44.7472, 26.4341, 8.7726



59.6582, 54.2594, 19.8994



18.0190, 18.0062, 18.6702



21.5625, 11.1362, 1.0130



2.1027, 1.0907, 0.0997

Inverse Universe

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



58.9684, 80.9226, 107.1189



56.0531, 79.3251, 106.9647



39.5496, 42.0850, 100.6459



18.5440, 20.4597, 23.2217



27.8427, 40.5949, 55.8027



2.7141, 3.9590, 5.4344

Previews

White Background



This preview shows how the XYZ color 48.4885, 31.9198, 16.1759 looks on a white background.

Color Contrast Check

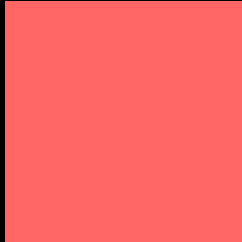
Large Text (above 18pt) WCAG AA × Fail

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 48.4885, 31.9198, 16.1759 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 48.4885, 31.9198, 16.1759

Background



This preview shows how black text looks on a background with the XYZ color 48.4885, 31.9198, 16.1759.



This preview shows how white text looks on a background with the XYZ color 48.4885, 31.9198,

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

48.4885, 31.9198, 16.1759

Protanopia

30.0706, 31.9991, 23.3304

Deuteranopia

32.7490, 32.1328, 15.3027



Tritanopia

48.7517, 31.8669, 18.0494

Trichromacy



Original Color

48.4885, 31.9198, 16.1759

Protanomaly

34.5234, 30.3015, 20.2488

Deuteranomaly

37.1849, 30.9633, 15.5719

Tritanomaly

48.5929, 31.8033, 17.2132

Monochromacy



Original Color

48.4885, 31.9198, 16.1759

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.8415, 28.7060, 25.2826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4885, 31.9198, 16.1759 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, 103, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 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, 103, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 102) }
```

Border

The CSS property to change the border of an element to XYZ 48.4885, 31.9198, 16.1759 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, 103, 102) }
```


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

```
.border{ border-color:rgb(255, 103, 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, 103, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4885, 31.9198, 16.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 102) }
```

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

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