

Converting Colors

XYZ(48.5231, 31.7807, 16.8294)

Have a look what the booklet for
XYZ(48.5231, 31.7807, 16.8294)
contains.

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Color

**XYZ(48.5412, 31.7827,
16.9409)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6669
RGB	255, 102, 105
RGB Percent	100%, 40%, 41%
CMY	0.0000, 0.6000, 0.5882
CMYK	0.00, 0.60, 0.59, 0.00
HSL	359°, 100%, 70%
HSV	359°, 60%, 100%
XYZ	48.5412, 31.7827, 16.9409
YIQ	148.0890, 90.2250, 33.3690

Conversions

Conversions Part 2

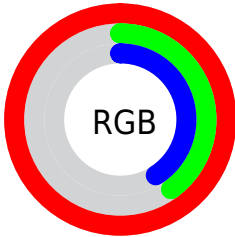
Format	Color
R_{YB}	255, 102, 105
Decimal	16737897
CIE Lab	63.16, 58.44, 28.92
CIE LCh	63, 65.207, 26.326
Yxy	31.7827, 0.4991, 0.3268
Android (android.graphics.Color)	4294927977 (0xFFFF6669)
YUV	148.0890, -21.2429, 93.7609
Hunter-Lab	56.3761, 55.0345, 21.6468

Details

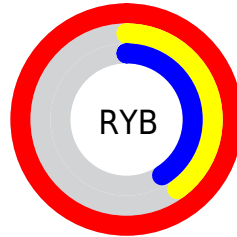
The XYZ color **48.5412, 31.7827, 16.9409** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.8124, 81.3738, 104.7091**, and the grayscale version is **28.2463, 29.7173, 32.3621**.

A 20% lighter version of the original color is **59.4676, 48.1140, 37.6051**, and **23.3658, 13.2397, 5.3270** is the 20% darker color. If you saturate the color by 10%, you get **45.3074, 27.0785, 10.4280**, and if you desaturate by 10%, it is **52.9246, 38.1824, 25.7004**.

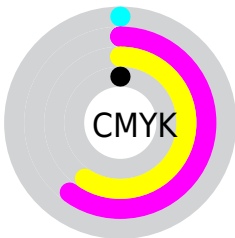
Distribution



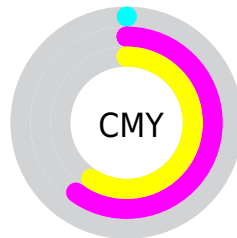
- Red (100%)
- Green (40%)
- Blue (41%)



- Red (100%)
- Yellow (40%)
- Blue (41%)



- Cyan (0%)
- Magenta (60%)
- Yellow (59%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5412, 31.7827, 16.9409 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 48.5412, 31.7827, 16.9409 by changing the saturation by 10% instead.


 48.5412, 31.7827,
16.9409


 48.5412, 31.7827,
16.9409


371.4803,
310.1282, 246.8640

 34.4687, 21.1956,
10.0309


 87.2145, 62.4703,
39.0134

 23.4185, 13.2670,
5.3135


 112.5460, 83.3395,
55.0129

 15.0252, 7.6127,
2.3704


 142.3612,
108.4049, 74.8793

 8.9235, 3.8481,
0.7703

 177.0255,
138.0509, 99.0312

 4.7480, 1.5890,
0.0000

216.9041,
172.6618, 127.8871

 2.1334, 0.3502,
0.0000

262.3626,

 0.7073, 0.0000,

212.6221, 161.8655

0.0000

313.7662,
258.3161, 201.3849

■ 0.0000, 0.0000,
0.0000

■ 48.5412, 31.7827,
16.9409

■ 48.5412, 31.7827,
16.9409

■ 45.3074, 27.0785,
10.4280

■ 52.9246, 38.1824,
25.7004

■ 43.1136, 23.9042,
5.9558

■ 58.5493, 46.4121,
36.8845

■ 41.8327, 22.0709,
3.2834

■ 65.5005, 56.5993,
50.6552

■ 41.2673, 21.2711,
2.0741

■ 73.8551, 68.8582,
67.1600

■ 41.2671, 21.2708,
2.0738

■ 83.6843, 83.2944,
86.5354

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.



50.9969, 31.7827, 37.8821



48.5412, 31.7827, 16.9409



40.8643, 31.7827, 7.5654

Triad

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



48.5412, 31.7827, 16.9409



17.9665, 31.7827, 13.7468



29.1124, 31.7827, 111.4519

Complementary

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



48.5412, 31.7827, 16.9409



58.8124, 81.3738, 104.7091

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.



21.5876, 31.7827, 94.4688



48.5412, 31.7827, 16.9409



16.0120, 31.7827, 31.5244

Square

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



48.5412, 31.7827, 16.9409



23.1605, 31.7827, 6.4698



17.1931, 31.7827, 61.5920



38.5583, 31.7827, 100.8129

Rectangle

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



48.5412, 31.7827, 16.9409



34.4901, 31.7827, 5.3228



17.1931, 31.7827, 61.5920



26.2967, 31.7827, 108.6326

Sweetspot

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



48.5420, 31.7845, 16.9414



75.6976, 71.5630, 70.7945



62.1907, 37.0301, 98.4770



15.6318, 14.4798, 14.0272



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.



48.5420, 31.7845, 16.9414



44.7884, 26.3254, 9.3755



58.6599, 52.2620, 19.5687



18.0238, 17.9928, 18.7425



21.5693, 11.1170, 1.1164



2.1050, 1.0844, 0.1342

Inverse Universe

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



48.5420, 31.7845, 16.9414



44.7884, 26.3254, 9.3755



40.5889, 44.1621, 100.9922



18.0238, 17.9928, 18.7425



21.5693, 11.1170, 1.1164



2.1050, 1.0844, 0.1342

Previews

White Background



This preview shows how the XYZ color 48.5412, 31.7827, 16.9409 looks on a white background.

Color Contrast Check

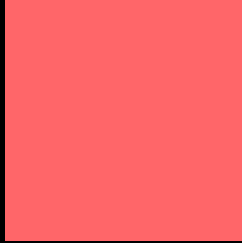
Large Text (above 18pt) WCAG AA × Fail

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 48.5412, 31.7827, 16.9409 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 48.5412, 31.7827, 16.9409

Background



This preview shows how black text looks on a background with the XYZ color 48.5412, 31.7827, 16.9409.



This preview shows how white text looks on a background with the XYZ color 48.5412, 31.7827,

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

48.5412, 31.7827, 16.9409

Protanopia

30.1223, 31.9962, 24.6669

Deuteranopia

32.4911, 31.7539, 15.9719



Tritanopia

48.6981, 31.8455, 17.7675

Trichromacy



Original Color

48.5412, 31.7827, 16.9409

Protanomaly

34.6198, 30.1179, 21.4414

Deuteranomaly

36.9099, 30.6065, 16.2742

Tritanomaly

48.6452, 31.8243, 17.4887

Monochromacy



Original Color

48.5412, 31.7827, 16.9409

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.7747, 28.4633, 25.5964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5412, 31.7827, 16.9409 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, 102, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 105)  
}
```

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, 102, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 105) }
```

Border

The CSS property to change the border of an element to XYZ 48.5412, 31.7827, 16.9409 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, 102, 105) }
```


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

```
.border{ border-color:rgb(255, 102, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5412, 31.7827, 16.9409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 105) }
```

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

```
.background{ background-color: rgb(255,  
102, 105) }
```

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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