

Converting Colors

XYZ(48.5887, 32.0139, 16.5374)

Have a look what the booklet for
XYZ(48.5887, 32.0139, 16.5374)
contains.

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Color

**XYZ(48.5384, 31.9398,
16.4387)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6767
RGB	255, 103, 103
RGB Percent	100%, 40%, 40%
CMY	0.0000, 0.5960, 0.5961
CMYK	0.00, 0.60, 0.60, 0.00
HSL	0°, 100%, 70%
HSV	0°, 60%, 100%
XYZ	48.5384, 31.9398, 16.4387
YIQ	148.4480, 90.5920, 32.2240

Conversions

Conversions Part 2

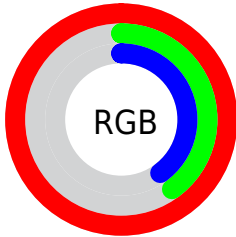
Format	Color
R _Y B	255, 103, 103
Decimal	16738151
CIE Lab	63.29, 57.87, 30.22
CIE LCh	63, 65.288, 27.569
Yxy	31.9398, 0.5008, 0.3296
Android (android.graphics.Color)	4294928231 (0xFFFF6767)
YUV	148.4480, -22.4059, 93.4461
Hunter-Lab	56.5153, 54.4037, 22.3149

Details

The XYZ color **48.5384, 31.9398, 16.4387** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.4005, 81.6175, 107.2301**, and the grayscale version is **28.4011, 29.8802, 32.5395**.

A 20% lighter version of the original color is **59.4709, 48.3894, 36.7775**, and **23.3904, 13.3688, 5.0890** is the 20% darker color. If you saturate the color by 10%, you get **45.2868, 27.1824, 9.9741**, and if you desaturate by 10%, it is **52.9547, 38.4028, 25.2168**.

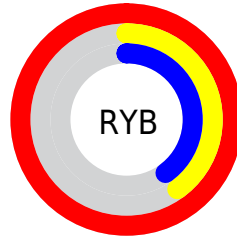
Distribution



Red (100%)

Green (40%)

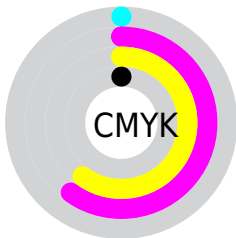
Blue (40%)



Red (100%)

Yellow (40%)

Blue (40%)

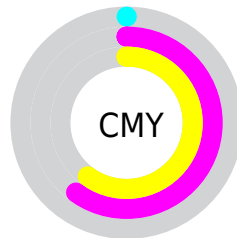


Cyan (0%)

Magenta (60%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5384, 31.9398, 16.4387 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 48.5384, 31.9398, 16.4387 by changing the saturation by 10% instead.


 48.5384, 31.9398,
16.4387


 48.5384, 31.9398,
16.4387


371.4694,
310.8449, 243.8501


 34.4665, 21.3155,
9.6774


 87.2103, 62.7167,
38.1355

 23.4168, 13.3548,
5.0828


 112.5411, 83.6381,
53.9081

 15.0239, 7.6733,
2.2363


 142.3554,
108.7607, 73.5215

 8.9226, 3.8866,
0.6952

 177.0188,
138.4688, 97.3943

 4.7474, 1.6104,
0.0000

216.8965,
173.1469, 125.9450

 2.1331, 0.3646,
0.0000

262.3540,

 0.7071, 0.0000,

213.1794, 159.5922

0.0000

313.7565,
258.9506, 198.7544

■ 0.0000, 0.0000,
0.0000

■ 48.5384, 31.9398,
16.4387

■ 48.5384, 31.9398,
16.4387

■ 45.2868, 27.1824,
9.9741

■ 52.9547, 38.4028,
25.2168

■ 43.0881, 23.9649,
5.6036

■ 58.6292, 46.7064,
36.4973

■ 41.8127, 22.0985,
3.0686

■ 65.6487, 56.9778,
50.4515

■ 41.2562, 21.2841,
1.9625

■ 74.0914, 69.3320,
67.2353

■ 41.2399, 21.2602,
1.9300

■ 84.0298, 83.8746,
86.9925

95.0497, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.2676, 31.9398, 36.9334



48.5384, 31.9398, 16.4387



40.6760, 31.9398, 7.3968

Triad

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



48.5384, 31.9398, 16.4387



17.9142, 31.9398, 14.3161



29.6259, 31.9398, 112.0848

Complementary

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



48.5384, 31.9398, 16.4387



59.4005, 81.6175, 107.2301

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.



21.9512, 31.9398, 96.0588



48.5384, 31.9398, 16.4387



16.0826, 31.9398, 32.7062

Square

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



48.5384, 31.9398, 16.4387



22.9970, 31.9398, 6.6691



17.4001, 31.9398, 63.3086



39.1423, 31.9398, 100.2794

Rectangle

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



48.5384, 31.9398, 16.4387



34.2589, 31.9398, 5.2848



17.4001, 31.9398, 63.3086



26.7647, 31.9398, 109.6519

Sweetspot

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



48.5392, 31.9416, 16.4392



75.5867, 71.5197, 70.2074



64.1399, 38.1805, 98.5961



15.6055, 14.4695, 13.8879



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.



48.5392, 31.9416, 16.4392



44.6697, 26.2790, 8.7468



59.8081, 54.4794, 20.1955



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

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



59.4005, 81.6175, 107.2301



56.4346, 80.0880, 107.0919



39.7636, 42.3438, 100.6845



18.5549, 20.4813, 23.2253



28.1145, 41.1385, 55.8933



2.7374, 4.0056, 5.4421

Previews

White Background



This preview shows how the XYZ color 48.5384, 31.9398, 16.4387 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 48.5384, 31.9398, 16.4387 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 48.5384, 31.9398, 16.4387

Background



This preview shows how black text looks on a background with the XYZ color 48.5384, 31.9398, 16.4387.



This preview shows how white text looks on a background with the XYZ color 48.5384, 31.9398,

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

48.5384, 31.9398, 16.4387

Protanopia

30.1972, 32.0497, 23.9967

Deuteranopia

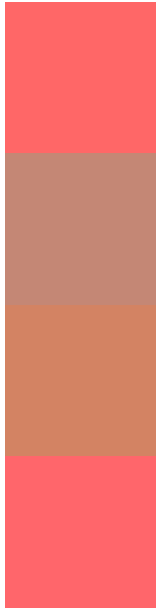
32.7947, 32.1511, 15.5436



Tritanopia

48.7517, 31.8669, 18.0494

Trichromacy



Original Color

48.5384, 31.9398, 16.4387

Protanomaly

34.6398, 30.3481, 20.8617

Deuteranomaly

37.2324, 30.9823, 15.8222

Tritanomaly

48.6452, 31.8243, 17.4887

Monochromacy



Original Color

48.5384, 31.9398, 16.4387

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

32.9096, 28.7333, 25.6413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5384, 31.9398, 16.4387 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 103)  
}
```

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, 103) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 48.5384, 31.9398, 16.4387 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, 103) }
```


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

```
.border{ border-color:rgb(255, 103, 103) }
```

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, 103)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 48.5384, 31.9398, 16.4387 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, 103) }
```

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

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

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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