

Converting Colors

XYZ(48.3556, 31.8322, 15.5820)

Have a look what the booklet for
XYZ(48.3556, 31.8322, 15.5820)
contains.

XYZ(48.3905, 31.8806, 15.6597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.3905, 31.8806,
15.6597)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6764
RGB	255, 103, 100
RGB Percent	100%, 40%, 39%
CMY	0.0000, 0.5960, 0.6078
CMYK	0.00, 0.60, 0.61, 0.00
HSL	1°, 100%, 70%
HSV	1°, 61%, 100%
XYZ	48.3905, 31.8806, 15.6597
YIQ	148.1060, 91.5550, 31.2910

Conversions

Conversions Part 2

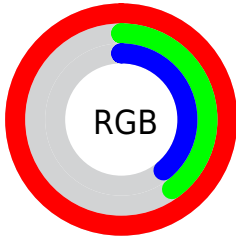
Format	Color
R _Y B	255, 103, 100
Decimal	16738148
CIE Lab	63.24, 57.68, 31.84
CIE LCh	63, 65.885, 28.900
Yxy	31.8806, 0.5044, 0.3323
Android (android.graphics.Color)	4294928228 (0xFFFF6764)
YUV	148.1060, -23.7163, 93.7460
Hunter-Lab	56.4629, 54.1701, 23.0803

Details

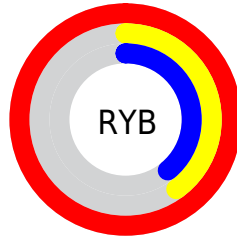
The XYZ color **48.3905, 31.8806, 15.6597** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.1131, 79.5444, 106.8980**, and the grayscale version is **28.2629, 29.7348, 32.3812**.

A 20% lighter version of the original color is **59.2241, 48.2906, 35.4777**, and **23.3192, 13.3403, 4.7140** is the 20% darker color. If you saturate the color by 10%, you get **45.2175, 27.2105, 9.4363**, and if you desaturate by 10%, it is **52.6946, 38.1955, 24.1654**.

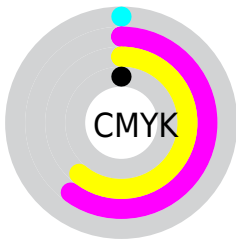
Distribution



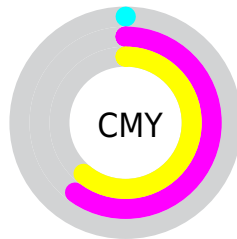
- Red (100%)
- Green (40%)
- Blue (39%)



- Red (100%)
- Yellow (40%)
- Blue (39%)



- Cyan (0%)
- Magenta (60%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3905, 31.8806, 15.6597 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 48.3905, 31.8806, 15.6597 by changing the saturation by 10% instead.


 48.3905, 31.8806,
15.6597


 48.3905, 31.8806,
15.6597


370.8948,
310.5750, 239.1020

 34.3488, 21.2703,
9.1319


 86.9917, 62.6239,
36.7649


 23.3258, 13.3217,
4.7293


 112.2819, 83.5256,
52.1795

 14.9563, 7.6505,
2.0334


 142.0523,
108.6267, 71.3934

 8.8748, 3.8721,
0.5757

 176.6683,
138.3114, 94.8252

 4.7161, 1.6023,
0.0000

216.4951,
172.9642, 122.8934

 2.1147, 0.3591,
0.0000

261.8983,

 0.6972, 0.0000,

212.9695, 156.0166

0.0000

313.2430,
258.7116, 194.6132

■ 0.0000, 0.0000,
0.0000

■ 48.3905, 31.8806,
15.6597

■ 48.3905, 31.8806,
15.6597

■ 45.2175, 27.2105,
9.4363

■ 52.6946, 38.1955,
24.1654

■ 43.0673, 24.0278,
5.2738

■ 58.2202, 46.2831,
35.1435

■ 41.8146, 22.1540,
2.9095

■ 65.0512, 56.2648,
48.7662

■ 41.2935, 21.3673,
1.9479

■ 73.2634, 68.2499,
65.1897

■ 82.9270, 82.3393,
84.5582

94.1072, 98.6272,
107.0059

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.



51.4312, 31.8806, 35.6852



48.3905, 31.8806, 15.6597



40.2910, 31.8806, 7.0242

Triad

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



48.3905, 31.8806, 15.6597



17.6306, 31.8806, 14.6982



29.9663, 31.8806, 113.0183

Complementary

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



48.3905, 31.8806, 15.6597



58.1131, 79.5444, 106.8980

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.



22.1169, 31.8806, 97.9113



48.3905, 31.8806, 15.6597



15.9339, 31.8806, 33.7577

Square

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



48.3905, 31.8806, 15.6597



22.5928, 31.8806, 6.6972



17.3971, 31.8806, 65.0776



39.5903, 31.8806, 99.8478

Rectangle

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



48.3905, 31.8806, 15.6597



33.8041, 31.8806, 5.0748



17.3971, 31.8806, 65.0776



27.0497, 31.8806, 110.9874

Sweetspot

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



48.3913, 31.8824, 15.6602



75.8054, 71.9571, 70.2803



63.4338, 37.4291, 96.3228



15.6574, 14.5733, 13.9052



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.



48.3913, 31.8824, 15.6602



44.6569, 26.3827, 8.3445



59.8782, 54.8562, 19.4892



18.0376, 18.0435, 18.6764



21.5891, 11.1894, 1.0219



2.1116, 1.1085, 0.1027

Inverse Universe

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



58.1131, 79.5444, 106.8980



55.1118, 77.7160, 106.7037



38.6193, 40.5569, 100.4001



18.5229, 20.4173, 23.2146



27.3162, 39.5419, 55.6272



2.6689, 3.8686, 5.4193

Previews

White Background



This preview shows how the XYZ color 48.3905, 31.8806, 15.6597 looks on a white background.

Color Contrast Check

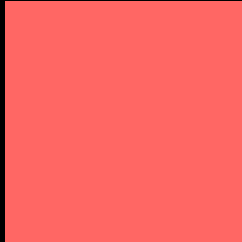
Large Text (above 18pt) WCAG AA × Fail

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 48.3905, 31.8806, 15.6597 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 48.3905, 31.8806, 15.6597

Background



This preview shows how black text looks on a background with the XYZ color 48.3905, 31.8806, 15.6597.



This preview shows how white text looks on a background with the XYZ color 48.3905, 31.8806,

15.6597.

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

48.3905, 31.8806, 15.6597

Protanopia

29.9467, 31.9495, 22.6777

Deuteranopia

32.5044, 31.7872, 14.7783



Tritanopia

48.7517, 31.8669, 18.0494

Trichromacy



Original Color

48.3905, 31.8806, 15.6597

Protanomaly

34.4096, 30.2560, 19.6492

Deuteranomaly

36.9579, 30.6587, 15.0362

Tritanomaly

48.5929, 31.8033, 17.2132

Monochromacy



Original Color

48.3905, 31.8806, 15.6597

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 48.3905, 31.8806, 15.6597 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 100) }
```

Border

The CSS property to change the border of an element to XYZ 48.3905, 31.8806, 15.6597 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, 100) }
```


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

```
.border{ border-color:rgb(255, 103, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3905, 31.8806, 15.6597 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
103, 100) }
```

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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