

Converting Colors

XYZ(48.0401, 31.2224, 15.4120)

Have a look what the booklet for
XYZ(48.0401, 31.2224, 15.4120)
contains.

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Color

**XYZ(48.0493, 31.2752,
15.3086)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6463
RGB	255, 100, 99
RGB Percent	100%, 39%, 39%
CMY	0.0000, 0.6078, 0.6118
CMYK	0.00, 0.61, 0.61, 0.00
HSL	0°, 100%, 69%
HSV	0°, 61%, 100%
XYZ	48.0493, 31.2752, 15.3086
YIQ	146.2310, 92.7010, 32.5490

Conversions

Conversions Part 2

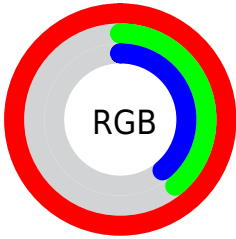
Format	Color
R _Y B	255, 100, 99
Decimal	16737379
CIE Lab	62.74, 58.92, 31.76
CIE LCh	63, 66.931, 28.328
Yxy	31.2752, 0.5077, 0.3305
Android (android.graphics.Color)	4294927459 (0xFFFF6463)
YUV	146.2310, -23.2849, 95.3904
Hunter-Lab	55.9242, 55.4972, 22.9170

Details

The XYZ color **48.0493, 31.2752, 15.3086** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.6344, 80.7503, 107.1032**, and the grayscale version is **27.4836, 28.9149, 31.4884**.

A 20% lighter version of the original color is **58.6335, 47.2389, 34.8819**, and **23.1169, 12.9720, 4.5343** is the 20% darker color. If you saturate the color by 10%, you get **44.9531, 26.7357, 9.1820**, and if you desaturate by 10%, it is **52.2870, 37.4825, 23.7143**.

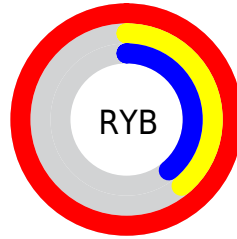
Distribution



Red (100%)

Green (39%)

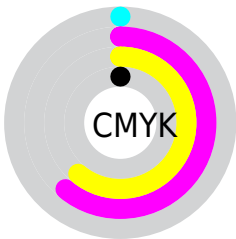
Blue (39%)



Red (100%)

Yellow (39%)

Blue (39%)

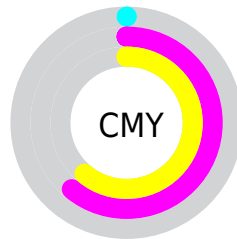


Cyan (0%)

Magenta (61%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0493, 31.2752, 15.3086 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 48.0493, 31.2752, 15.3086 by changing the saturation by 10% instead.


 48.0493, 31.2752,
15.3086


 48.0493, 31.2752,
15.3086


369.5668,
307.8042, 236.9313

 34.0773, 20.8085,
8.8872


 86.4871, 61.6731,
36.1436


 23.1162, 12.9841,
4.5719


 111.6836, 82.3731,
51.3943

 14.8005, 7.4176,
1.9440


 141.3523,
107.2529, 70.4252

 8.7649, 3.7246,
0.5205

 175.8586,
136.6970, 93.6548

 4.6440, 1.5207,
0.0000

215.5679,
171.0898, 121.5017

 2.0725, 0.3033,
0.0000

260.8454,

 0.6742, 0.0000,

210.8157, 154.3844

0.0000

312.0566,
256.2590, 192.7214

■ 0.0000, 0.0000,
0.0000

■ 48.0493, 31.2752,
15.3086

■ 48.0493, 31.2752,
15.3086

■ 44.9531, 26.7357,
9.1820

■ 52.2870, 37.4825,
23.7143

■ 42.8859, 23.6984,
5.1103

■ 57.7600, 45.4922,
34.5910

■ 41.7162, 21.9732,
2.8272

■ 64.5551, 55.4312,
48.1126

■ 41.2577, 21.2957,
1.9360

■ 72.7507, 67.4135,
64.4364

■ 82.4190, 81.5443,
83.7078

93.6272, 97.9215,
106.0619

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.



50.9981, 31.2752, 35.5439



48.0493, 31.2752, 15.3086



39.9491, 31.2752, 6.6583

Triad

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



48.0493, 31.2752, 15.3086



17.1303, 31.2752, 13.8632



29.2161, 31.2752, 113.2844

Complementary

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



48.0493, 31.2752, 15.3086



58.6344, 80.7503, 107.1032

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.



21.4154, 31.2752, 97.4205



48.0493, 31.2752, 15.3086



15.3846, 31.2752, 32.6051

Square

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



48.0493, 31.2752, 15.3086



22.1375, 31.2752, 6.1755



16.7775, 31.2752, 63.9809



38.8767, 31.2752, 100.4115

Rectangle

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



48.0493, 31.2752, 15.3086



33.4278, 31.2752, 4.7107



16.7775, 31.2752, 63.9809



26.3084, 31.2752, 111.0266

Sweetspot

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



48.0500, 31.2769, 15.3091



75.6590, 71.6643, 70.2315



63.7516, 37.4037, 98.4668



15.6227, 14.5038, 13.8936



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.



48.0500, 31.2769, 15.3091



44.5031, 26.0749, 8.2932



59.2141, 53.6051, 19.0305



18.0188, 18.0059, 18.6701



21.5622, 11.1357, 1.0129



2.1026, 1.0906, 0.0997

Inverse Universe

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



58.6344, 80.7503, 107.1032



55.8708, 79.2340, 106.9567



38.9177, 41.3170, 100.5310



18.5443, 20.4601, 23.2218



27.8478, 40.6052, 55.8044



2.7146, 3.9599, 5.4345

Previews

White Background



This preview shows how the XYZ color 48.0493, 31.2752, 15.3086 looks on a white background.

Color Contrast Check

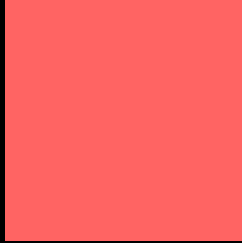
Large Text (above 18pt) WCAG AA × Fail

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 48.0493, 31.2752, 15.3086 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 48.0493, 31.2752, 15.3086

Background



This preview shows how black text looks on a background with the XYZ color 48.0493, 31.2752, 15.3086.



This preview shows how white text looks on a background with the XYZ color 48.0493, 31.2752,

15.3086.

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

48.0493, 31.2752, 15.3086

Protanopia

29.5797, 31.5183, 22.6138

Deuteranopia

31.7809, 31.1965, 14.2440



Tritanopia

48.2516, 31.2036, 16.8444

Trichromacy



Original Color

48.0493, 31.2752, 15.3086

Protanomaly

34.1331, 29.7031, 19.5570

Deuteranomaly

36.4490, 30.2103, 14.4998

Tritanomaly

48.1500, 31.1630, 16.3092

Monochromacy



Original Color

48.0493, 31.2752, 15.3086

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

32.0624, 27.7246, 24.4304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0493, 31.2752, 15.3086 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, 100, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 99)  
}
```

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, 100, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 99) }
```

Border

The CSS property to change the border of an element to XYZ 48.0493, 31.2752, 15.3086 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, 100, 99) }
```


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

```
.border{ border-color:rgb(255, 100, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0493, 31.2752, 15.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 99) }
```

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

```
.background{ background-color: rgb(255,  
100, 99) }
```

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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