

Converting Colors

XYZ(48.4296, 31.9197, 15.7950)

Have a look what the booklet for
XYZ(48.4296, 31.9197, 15.7950)
contains.

XYZ(48.4392, 31.9001, 15.9162)	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(48.4392, 31.9001,
15.9162)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6765
RGB	255, 103, 101
RGB Percent	100%, 40%, 40%
CMY	0.0000, 0.5960, 0.6039
CMYK	0.00, 0.60, 0.60, 0.00
HSL	1°, 100%, 70%
HSV	1°, 60%, 100%
XYZ	48.4392, 31.9001, 15.9162
YIQ	148.2200, 91.2340, 31.6020

Conversions

Conversions Part 2

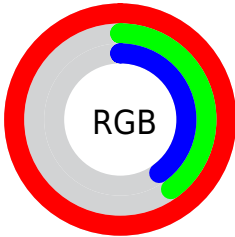
Format	Color
R _Y B	255, 103, 101
Decimal	16738149
CIE Lab	63.26, 57.74, 31.30
CIE LCh	63, 65.682, 28.460
Yxy	31.9001, 0.5032, 0.3314
Android (android.graphics.Color)	4294928229 (0xFFFF6765)
YUV	148.2200, -23.2795, 93.6461
Hunter-Lab	56.4802, 54.2470, 22.8281

Details

The XYZ color **48.4392, 31.9001, 15.9162** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.5391, 80.2313, 107.0081**, and the grayscale version is **28.3090, 29.7832, 32.4339**.

A 20% lighter version of the original color is **59.3056, 48.3233, 35.9073**, and **23.3425, 13.3496, 4.8365** is the 20% darker color. If you saturate the color by 10%, you get **45.2402, 27.2011, 9.6128**, and if you desaturate by 10%, it is **52.7803, 38.2637, 24.5123**.

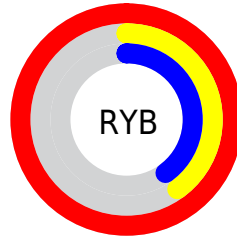
Distribution



Red (100%)

Green (40%)

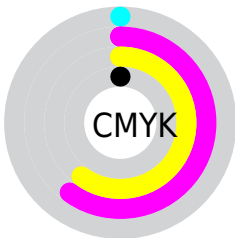
Blue (40%)



Red (100%)

Yellow (40%)

Blue (40%)

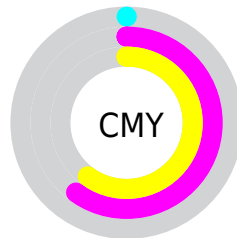


Cyan (0%)

Magenta (60%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4392, 31.9001, 15.9162 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 48.4392, 31.9001, 15.9162 by changing the saturation by 10% instead.


 48.4392, 31.9001,
15.9162

 48.4392, 31.9001,
15.9162


371.0841,
310.6639, 240.6755


 34.3875, 21.2852,
9.3112


 87.0637, 62.6544,
37.2174


 23.3558, 13.3326,
4.8451


 112.3673, 83.5627,
52.7507

 14.9786, 7.6580,
2.0995


 142.1521,
108.6708, 72.0971

 8.8906, 3.8769,
0.6155

 176.7837,
138.3633, 95.6752

 4.7264, 1.6049,
0.0000

216.6274,
173.0244, 123.9036

 2.1207, 0.3609,
0.0000

262.0484,

 0.7005, 0.0000,

213.0386, 157.2007

0.0000

313.4122,
258.7903, 195.9852

■ 0.0000, 0.0000,
0.0000

■ 48.4392, 31.9001,
15.9162

■ 48.4392, 31.9001,
15.9162

■ 45.2402, 27.2011,
9.6128

■ 52.7803, 38.2637,
24.5123

■ 43.0738, 24.0068,
5.3813

■ 58.3550, 46.4222,
35.5908

■ 41.8136, 22.1353,
2.9604

■ 65.2479, 56.4989,
49.3235

■ 41.2759, 21.3321,
1.9420

■ 73.5359, 68.6049,
65.8666

■ 83.2897, 82.8427,
85.3640

94.5753, 99.3078,
107.9500

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.



51.3761, 31.9001, 36.0972



48.4392, 31.9001, 15.9162



40.4185, 31.9001, 7.1469

Triad

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



48.4392, 31.9001, 15.9162



17.7246, 31.9001, 14.5704



29.8525, 31.9001, 112.7054

Complementary

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



48.4392, 31.9001, 15.9162



58.5391, 80.2313, 107.0081

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.



22.0616, 31.9001, 97.2908



48.4392, 31.9001, 15.9162



15.9833, 31.9001, 33.4051

Square

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



48.4392, 31.9001, 15.9162



22.7267, 31.9001, 6.6879



17.3981, 31.9001, 64.4845



39.4405, 31.9001, 99.9899

Rectangle

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



48.4392, 31.9001, 15.9162



33.9548, 31.9001, 5.1442



17.3981, 31.9001, 64.4845



26.9545, 31.9001, 110.5401

Sweetspot

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



48.4400, 31.9019, 15.9167



75.7333, 71.8130, 70.2562



63.9434, 37.7874, 98.5307



15.6403, 14.5391, 13.8995



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.



48.4400, 31.9019, 15.9167



44.8253, 26.5903, 8.7986



59.5092, 54.0403, 19.6065



18.0284, 18.0250, 18.6733



21.5759, 11.1630, 1.0175



2.1072, 1.0997, 0.1012

Inverse Universe

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



58.5391, 80.2313, 107.0081



55.6787, 78.5763, 106.8399



39.3372, 41.8275, 100.6074



18.5334, 20.4384, 23.2181



27.5765, 40.0626, 55.7140



2.6913, 3.9133, 5.4268

Previews

White Background



This preview shows how the XYZ color 48.4392, 31.9001, 15.9162 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 48.4392, 31.9001, 15.9162 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 48.4392, 31.9001, 15.9162

Background



This preview shows how black text looks on a background with the XYZ color 48.4392, 31.9001, 15.9162.



This preview shows how white text looks on a background with the XYZ color 48.4392, 31.9001,

15.9162.

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

48.4392, 31.9001, 15.9162

Protanopia

30.0083, 31.9741, 23.0024

Deuteranopia

32.7038, 32.1147, 15.0648



Tritanopia

48.7517, 31.8669, 18.0494

Trichromacy



Original Color

48.4392, 31.9001, 15.9162

Protanomaly

34.4662, 30.2786, 19.9474

Deuteranomaly

37.1379, 30.9446, 15.3248

Tritanomaly

48.5929, 31.8033, 17.2132

Monochromacy



Original Color

48.4392, 31.9001, 15.9162

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 48.4392, 31.9001, 15.9162 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 101) }
```

Border

The CSS property to change the border of an element to XYZ 48.4392, 31.9001, 15.9162 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, 101) }
```


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

```
.border{ border-color:rgb(255, 103, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4392, 31.9001, 15.9162 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, 101) }
```

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

```
.background{ background-color: rgb(255,  
103, 101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor