

Converting Colors

XYZ(48.8791, 32.7009, 16.3061)

Have a look what the booklet for
XYZ(48.8791, 32.7009, 16.3061)
contains.

XYZ(48.8960, 32.7347, 16.3117)	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(48.8960, 32.7347,
16.3117)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6B66
RGB	255, 107, 102
RGB Percent	100%, 42%, 40%
CMY	0.0000, 0.5804, 0.6000
CMYK	0.00, 0.58, 0.60, 0.00
HSL	2°, 100%, 70%
HSV	2°, 60%, 100%
XYZ	48.8960, 32.7347, 16.3117
YIQ	150.6820, 89.8130, 29.8210

Conversions

Conversions Part 2

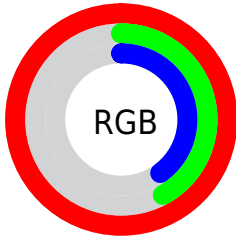
Format	Color
R _Y B	255, 107, 102
Decimal	16739174
CIE Lab	63.95, 56.04, 31.62
CIE LCh	64, 64.345, 29.430
Yxy	32.7347, 0.4992, 0.3342
Android (android.graphics.Color)	4294929254 (0xFFFF6B66)
YUV	150.6820, -24.0002, 91.4869
Hunter-Lab	57.2142, 52.4234, 23.1465

Details

The XYZ color **48.8960, 32.7347, 16.3117** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.7125, 78.4107, 106.7004**, and the grayscale version is **29.3531, 30.8818, 33.6303**.

A 20% lighter version of the original color is **60.0870, 49.7543, 36.5736**, and **23.5684, 13.7635, 5.0289** is the 20% darker color. If you saturate the color by 10%, you get **45.6051, 27.8753, 9.9060**, and if you desaturate by 10%, it is **53.3105, 39.2196, 25.0106**.

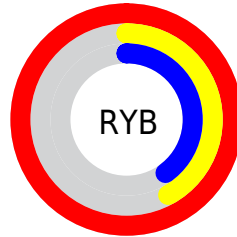
Distribution



Red (100%)

Green (42%)

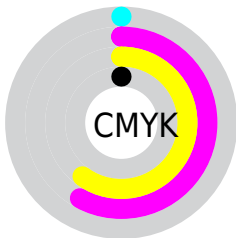
Blue (40%)



Red (100%)

Yellow (42%)

Blue (40%)

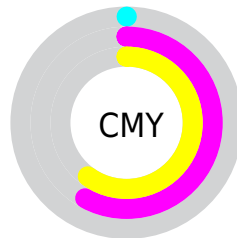


Cyan (0%)

Magenta (58%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8960, 32.7347, 16.3117 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 48.8960, 32.7347, 16.3117 by changing the saturation by 10% instead.


 48.8960, 32.7347,
16.3117


 48.8960, 32.7347,
16.3117


372.8565,
314.4526, 243.0822


 34.7512, 21.9233,
9.5882


 87.7386, 63.9611,
37.9128

 23.6369, 13.8005,
5.0248


 113.1671, 85.1449,
53.6275

 15.1878, 7.9821,
2.2028


 143.0876,
110.5549, 73.1764

 9.0384, 4.0835,
0.6760

 177.8654,
140.5756, 96.9780

 4.8236, 1.7204,
0.0000

217.8658,
175.5913, 125.4508

 2.1778, 0.4368,
0.0000

263.4542,

 0.7310, 0.0000,

215.9864, 159.0134

0.0000

314.9960,
262.1454, 198.0844

■ 0.0000, 0.0000,
0.0000

■ 48.8960, 32.7347,
16.3117

■ 48.8960, 32.7347,
16.3117

■ 45.6051, 27.8753,
9.9060

■ 53.3105, 39.2196,
25.0106

■ 43.3343, 24.4927,
5.5757

■ 58.9352, 47.4509,
36.1901

■ 41.9650, 22.4207,
3.0641

■ 65.8510, 57.5441,
50.0200

■ 41.3304, 21.4411,
1.9602

■ 74.1310, 69.6035,
66.6549

■ 41.3304, 21.4411,
1.9602

■ 83.8430, 83.7255,
86.2375

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.



51.9983, 32.7347, 36.1416



48.8960, 32.7347, 16.3117



40.8462, 32.7347, 7.6246

Triad

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



48.8960, 32.7347, 16.3117



18.3901, 32.7347, 15.8060



30.9402, 32.7347, 112.4804

Complementary

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



48.8960, 32.7347, 16.3117



57.7125, 78.4107, 106.7004

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.



23.0642, 32.7347, 98.2089



48.8960, 32.7347, 16.3117



16.7367, 32.7347, 35.1481

Square

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



48.8960, 32.7347, 16.3117



23.3111, 32.7347, 7.4483



18.2682, 32.7347, 66.2248



40.4870, 32.7347, 99.1885

Rectangle

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



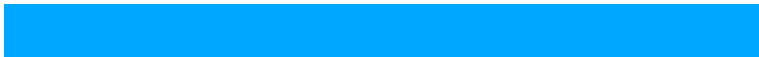
48.8960, 32.7347, 16.3117



34.4213, 32.7347, 5.6469



18.2682, 32.7347, 66.2248



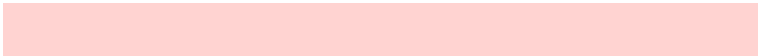
28.0244, 32.7347, 110.6731

Sweetspot

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



48.8968, 32.7365, 16.3123



75.9566, 72.2596, 70.3307



63.6333, 37.8197, 96.4155



15.6933, 14.6451, 13.9172



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.



48.8968, 32.7365, 16.3123



45.0729, 27.0854, 8.8812



60.1722, 55.2874, 20.0707



18.0570, 18.0822, 18.6828



21.6167, 11.2447, 1.0311



2.1208, 1.1269, 0.1057

Inverse Universe

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



57.7125, 78.4107, 106.7004



54.5506, 76.3201, 106.4639



39.0451, 41.0760, 100.4779



18.5009, 20.3734, 23.2073



26.7784, 38.4663, 55.4480



2.6227, 3.7761, 5.4039

Previews

White Background



This preview shows how the XYZ color 48.8960, 32.7347, 16.3117 looks on a white background.

Color Contrast Check

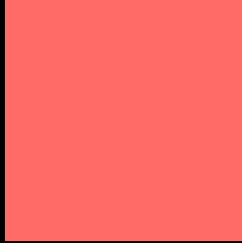
Large Text (above 18pt) WCAG AA × Fail

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 48.8960, 32.7347, 16.3117 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 48.8960, 32.7347, 16.3117

Background



This preview shows how black text looks on a background with the XYZ color 48.8960, 32.7347, 16.3117.



This preview shows how white text looks on a background with the XYZ color 48.8960, 32.7347,

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

48.8960, 32.7347, 16.3117

Protanopia

30.7512, 32.8472, 23.1317

Deuteranopia

33.3945, 32.6974, 15.3776



Tritanopia

49.3747, 32.7603, 19.3438

Trichromacy



Original Color

48.8960, 32.7347, 16.3117

Protanomaly

35.4717, 31.4205, 20.4149

Deuteranomaly

37.7435, 31.6539, 15.6758

Tritanomaly

49.1544, 32.6722, 18.1836

Monochromacy



Original Color

48.8960, 32.7347, 16.3117

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.8839, 29.8402, 26.1642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8960, 32.7347, 16.3117 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, 107, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 102)  
}
```

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, 107, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 102) }
```

Border

The CSS property to change the border of an element to XYZ 48.8960, 32.7347, 16.3117 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, 107, 102) }
```


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

```
.border{ border-color:rgb(255, 107, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8960, 32.7347, 16.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 102) }
```

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

```
.background{ background-color: rgb(255,  
107, 102) }
```

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