

Converting Colors

XYZ(49.4107, 32.5735, 16.2161)

Have a look what the booklet for
XYZ(49.4107, 32.5735, 16.2161)
contains.

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Color

**XYZ(48.5886, 32.1199,
16.2092)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6866
RGB	255, 104, 102
RGB Percent	100%, 41%, 40%
CMY	0.0000, 0.5921, 0.6000
CMYK	0.00, 0.59, 0.60, 0.00
HSL	1°, 100%, 70%
HSV	1°, 60%, 100%
XYZ	48.5886, 32.1199, 16.2092
YIQ	148.9210, 90.6380, 31.3900

Conversions

Conversions Part 2

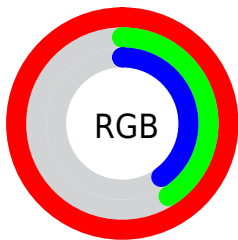
Format	Color
R _Y B	255, 104, 102
Decimal	16738406
CIE Lab	63.44, 57.37, 30.97
CIE LCh	63, 65.197, 28.362
Yxy	32.1199, 0.5013, 0.3314
Android (android.graphics.Color)	4294928486 (0xFFFF6866)
YUV	148.9210, -23.1321, 93.0313
Hunter-Lab	56.6744, 53.8529, 22.7148

Details

The XYZ color **48.5886, 32.1199, 16.2092** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.6521, 80.2899, 107.0136**, and the grayscale version is **28.6026, 30.0921, 32.7703**.

A 20% lighter version of the original color is **59.5606, 48.7015, 36.3981**, and **23.4048, 13.4363, 4.9743** is the 20% darker color. If you saturate the color by 10%, you get **45.3466, 27.3582, 9.8198**, and if you desaturate by 10%, it is **52.9766, 38.5518, 24.8993**.

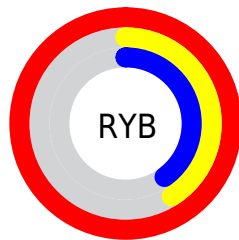
Distribution



Red (100%)

Green (41%)

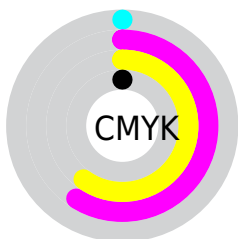
Blue (40%)



Red (100%)

Yellow (41%)

Blue (40%)

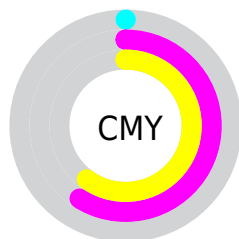


Cyan (0%)

Magenta (59%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (59%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5886, 32.1199, 16.2092 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 48.5886, 32.1199, 16.2092 by changing the saturation by 10% instead.

 48.5886, 32.1199,
16.2092


 48.5886, 32.1199,
16.2092


371.6644,
311.6651, 242.4607


 34.5064, 21.4531,
9.5164


 87.2845, 62.9990,
37.7328


 23.4477, 13.4556,
4.9781


 112.6290, 83.9801,
53.4007

 15.0469, 7.7430,
2.1759


 142.4583,
109.1681, 72.8973

 8.9388, 3.9310,
0.6604

 177.1377,
138.9473, 96.6413

 4.7581, 1.6350,
0.0000

217.0327,
173.7023, 125.0510

 2.1393, 0.3810,
0.0000

262.5086,

 0.7105, 0.0000,

213.8173, 158.5452

0.0000

313.9307,
259.6767, 197.5422

■ 0.0000, 0.0000,
0.0000

■ 48.5886, 32.1199,
16.2092

■ 48.5886, 32.1199,
16.2092

■ 45.3466, 27.3582,
9.8198

■ 52.9766, 38.5518,
24.8993

■ 43.1416, 24.1074,
5.5115

■ 58.6014, 46.7833,
36.0787

■ 41.8483, 22.1873,
3.0252

■ 65.5475, 56.9373,
49.9188

■ 41.2762, 21.3326,
1.9421

■ 73.8915, 69.1245,
66.5750

■ 41.2762, 21.3326,
1.9421

■ 83.7037, 83.4470,
86.1909

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.



51.4880, 32.1199, 36.4206



48.5886, 32.1199, 16.2092



40.6203, 32.1199, 7.3575

Triad

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



48.5886, 32.1199, 16.2092



17.9592, 32.1199, 14.7726



30.0331, 32.1199, 112.4143

Complementary

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



48.5886, 32.1199, 16.2092



58.6521, 80.2899, 107.0136

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.



22.2649, 32.1199, 97.0508



48.5886, 32.1199, 16.2092



16.2050, 32.1199, 33.5645

Square

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



48.5886, 32.1199, 16.2092



22.9719, 32.1199, 6.8638



17.6114, 32.1199, 64.4658



39.5845, 32.1199, 99.8981

Rectangle

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



48.5886, 32.1199, 16.2092



34.1837, 32.1199, 5.3191



17.6114, 32.1199, 64.4658



27.1445, 32.1199, 110.2366

Sweetspot

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



48.5894, 32.1217, 16.2097



75.7342, 71.8148, 70.2566



64.0412, 37.9828, 98.5634



15.6405, 14.5395, 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.



48.5894, 32.1217, 16.2097



44.8263, 26.5923, 8.7990



59.6582, 54.2594, 19.8994



18.0285, 18.0252, 18.6733



21.5760, 11.1633, 1.0175



2.1072, 1.0998, 0.1012

Inverse Universe

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



58.6521, 80.2899, 107.0136



55.6740, 78.5668, 106.8383



39.5496, 42.0850, 100.6461



18.5332, 20.4381, 23.2181



27.5732, 40.0559, 55.7129



2.6910, 3.9127, 5.4267

Previews

White Background



This preview shows how the XYZ color 48.5886, 32.1199, 16.2092 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 48.5886, 32.1199, 16.2092 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 48.5886, 32.1199, 16.2092

Background



This preview shows how black text looks on a background with the XYZ color 48.5886, 32.1199, 16.2092.



This preview shows how white text looks on a background with the XYZ color 48.5886, 32.1199,

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

48.5886, 32.1199, 16.2092

Protanopia

30.4406, 32.4338, 23.3948

Deuteranopia

32.7490, 32.1328, 15.3027



Tritanopia

48.9047, 32.0863, 18.3676

Trichromacy



Original Color

48.5886, 32.1199, 16.2092

Protanomaly

34.9246, 30.7164, 20.3078

Deuteranomaly

37.1849, 30.9633, 15.5719

Tritanomaly

48.7441, 32.0220, 17.5217

Monochromacy



Original Color

48.5886, 32.1199, 16.2092

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

33.2914, 29.1324, 25.6983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5886, 32.1199, 16.2092 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, 104, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 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, 104, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 102) }
```

Border

The CSS property to change the border of an element to XYZ 48.5886, 32.1199, 16.2092 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, 104, 102) }
```


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

```
.border{ border-color:rgb(255, 104, 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, 104, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 104, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 104, 102); box-shadow:4px 4px 4px 4px rgb(255, 104, 102) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5886, 32.1199, 16.2092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 102) }
```

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

```
.background{ background-color: rgb(255,  
104, 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](#).

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