

Converting Colors

XYZ(46.8859, 48.0453, 63.9293)

Have a look what the booklet for
XYZ(46.8859, 48.0453, 63.9293)
contains.

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Color

**XYZ(46.8886, 48.0504,
63.9301)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B7CC
RGB	181, 183, 204
RGB Percent	71%, 72%, 80%
CMY	0.2902, 0.2823, 0.2000
CMYK	0.11, 0.10, 0.00, 0.20
HSL	235°, 18%, 75%
HSV	235°, 11%, 80%
XYZ	46.8886, 48.0504, 63.9301
YIQ	184.7960, -7.9330, 6.1070

Conversions

Conversions Part 2

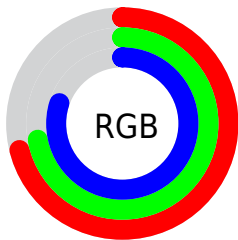
Format	Color
R _Y B	181, 183, 204
Decimal	11909068
CIE Lab	74.86, 3.45, -10.82
CIE LCh	75, 11.361, 287.686
Yxy	48.0504, 0.2951, 0.3025
Android (android.graphics.Color)	4290099148 (0xFFB5B7CC)
YUV	184.7960, 9.4676, -3.3291
Hunter-Lab	69.3184, -0.5656, -6.1584

Details

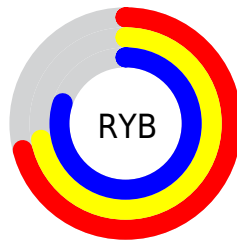
The XYZ color **46.8886, 48.0504, 63.9301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.3630, 58.4141, 52.1267**, and the grayscale version is **45.9542, 48.3474, 52.6503**.

A 20% lighter version of the original color is **83.8416, 86.9575, 106.9733**, and **22.3897, 22.7565, 32.0665** is the 20% darker color. If you saturate the color by 10%, you get **38.8607, 38.5828, 62.5265**, and if you desaturate by 10%, it is **56.1281, 58.8996, 65.5380**.

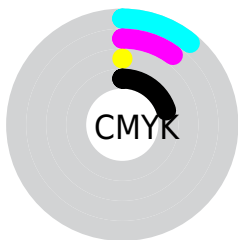
Distribution



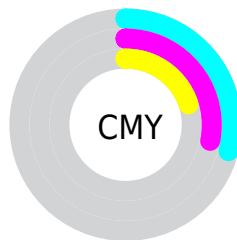
- Red (71%)
- Green (72%)
- Blue (80%)



- Red (71%)
- Yellow (72%)
- Blue (80%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8886, 48.0504, 63.9301 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 46.8886, 48.0504, 63.9301 by changing the saturation by 10% instead.

■ 46.8886, 48.0504,
63.9301

■ 46.8886, 48.0504,
63.9301

365.0260,
378.9919, 457.1377

■ 33.1552, 33.8668,
46.1482

■ 84.7671, 87.2794,
112.1088

■ 22.4052, 22.7913,
32.0133

109.6428,
113.0937, 143.3426

■ 14.2732, 14.4395,
21.1068

138.9634,
143.5536, 179.8976

■ 8.3939, 8.4270,
13.0101

173.0941,
179.0435, 222.1922

■ 4.4019, 4.3693,
7.3047

212.4004,
219.9479, 270.6450

■ 1.9319, 1.8822,
3.5720

257.2476,

■ 0.5953, 0.5377,

266.6512, 325.6745

1.3936

308.0010,
319.5377, 387.6992

■ 0.0000, 0.0000,
0.1367

■ 0.0000, 0.0000,
0.0000

■ 46.8886, 48.0504,
63.9301

■ 46.8886, 48.0504,
63.9301

■ 38.8607, 38.5828,
62.5265

■ 56.1281, 58.8996,
65.5380

■ 31.9899, 30.4356,
61.3161

■ 66.6221, 71.1766,
67.3546

■ 26.2240, 23.5518,
60.2913

■ 78.4165, 84.9327,
69.3882

■ 21.5052, 17.8680,
59.4429

■ 87.8992, 97.1397,
71.2445

■ 17.7703, 13.3151,
58.7610

■ 14.9493, 9.8173,
58.2345

■ 12.9627, 7.2890,
57.8512

■ 11.7174, 5.6313,
57.5969

■ 11.1117, 4.7847,
57.4654

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8280, 48.0504, 64.2462



46.8886, 48.0504, 63.9301



48.6730, 48.0504, 60.3618

Triad

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



46.8886, 48.0504, 63.9301



48.3987, 48.0504, 44.3448



41.8964, 48.0504, 49.9285

Complementary

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



46.8886, 48.0504, 63.9301



54.3630, 58.4141, 52.1267

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.



42.7940, 48.0504, 45.0239



46.8886, 48.0504, 63.9301



46.5234, 48.0504, 41.9671

Square

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



46.8886, 48.0504, 63.9301



49.5628, 48.0504, 48.9363



44.4736, 48.0504, 42.2060



41.9875, 48.0504, 55.8536

Rectangle

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



46.8886, 48.0504, 63.9301



49.4469, 48.0504, 56.7607



44.4736, 48.0504, 42.2060



42.0913, 48.0504, 48.1148

Sweetspot

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



46.8900, 48.0524, 63.9312



90.1037, 94.2026, 108.0417



51.2749, 57.2604, 64.0417



19.0099, 19.8395, 23.0774



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.



46.8900, 48.0524, 63.9312



73.5838, 74.7866, 105.1647



48.7090, 48.3812, 63.8988



10.6790, 10.9984, 14.1304



7.0230, 3.0699, 36.1787



0.3901, 0.2139, 1.8757

Inverse Universe

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



49.9741, 49.3050, 51.6850



79.8895, 77.3756, 80.1192



52.3882, 58.0982, 52.1698



11.2513, 11.2293, 11.8581



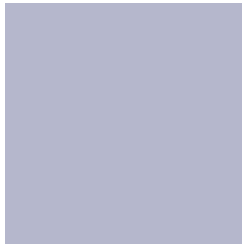
15.7558, 8.1129, 1.1666



0.8268, 0.4241, 0.1339

Previews

White Background



This preview shows how the XYZ color 46.8886, 48.0504, 63.9301 looks on a white background.

Color Contrast Check

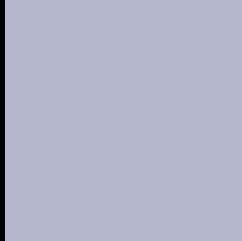
Large Text (above 18pt) WCAG AA × Fail

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 46.8886, 48.0504, 63.9301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

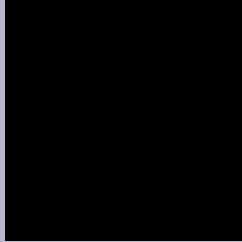
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8886, 48.0504, 63.9301

Background



This preview shows how black text looks on a background with the XYZ color 46.8886, 48.0504, 63.9301.



This preview shows how white text looks on a background with the XYZ color 46.8886, 48.0504,

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

46.8886, 48.0504, 63.9301

Protanopia

47.1240, 48.1717, 63.9411

Deuteranopia

48.8778, 47.8544, 64.4183



Tritanopia

46.1559, 48.0615, 60.2702

Trichromacy



Original Color

46.8886, 48.0504, 63.9301

Protanomaly

47.1240, 48.1717, 63.9411

Deuteranomaly

48.0797, 47.7417, 64.4386

Tritanomaly

46.3882, 48.1544, 61.4934

Monochromacy



Original Color

46.8886, 48.0504, 63.9301

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.4221, 48.2771, 56.7409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8886, 48.0504, 63.9301 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(181, 183, 204)` looks like.

```
.text, #text, p{  
    color:rgb(181, 183, 204)  
}
```

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(181, 183, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 183, 204) }
```

Border

The CSS property to change the border of an element to XYZ 46.8886, 48.0504, 63.9301 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(181, 183, 204) }
```


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

```
.border{ border-color:rgb(181, 183, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 183, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 183, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 183, 204);  
box-shadow:4px 4px 4px 4px rgb(181, 183,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8886, 48.0504, 63.9301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 183, 204) }
```

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

```
.background{ background-color: rgb(181,  
183, 204) }
```

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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