

Converting Colors

XYZ(48.9440, 48.0873, 68.9895)

Have a look what the booklet for
XYZ(48.9440, 48.0873, 68.9895)
contains.

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Color

**XYZ(48.9440, 48.0873,
68.9895)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB4D4
RGB	188, 180, 212
RGB Percent	74%, 71%, 83%
CMY	0.2627, 0.2941, 0.1686
CMYK	0.11, 0.15, 0.00, 0.17
HSL	255°, 27%, 77%
HSV	255°, 15%, 83%
XYZ	48.9440, 48.0873, 68.9895
YIQ	186.0400, -5.5040, 11.6480

Conversions

Conversions Part 2

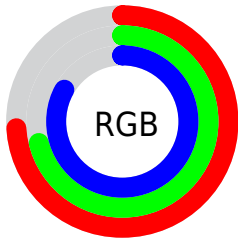
Format	Color
R_{YB}	188, 180, 212
Decimal	12367060
CIE _{Lab}	74.88, 9.04, -15.09
CIE _{LCh}	75, 17.591, 300.929
Yxy	48.0873, 0.2948, 0.2896
Android (android.graphics.Color)	4290557140 (0xFFBCB4D4)
YUV	186.0400, 12.7983, 1.7189
Hunter-Lab	69.3450, 4.6323, -10.4445

Details

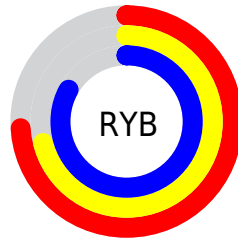
The XYZ color **48.9440, 48.0873, 68.9895** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.6850, 63.2208, 52.3974**, and the grayscale version is **46.6285, 49.0568, 53.4229**.

A 20% lighter version of the original color is **85.3537, 86.4440, 106.7945**, and **23.6668, 22.7640, 35.0448** is the 20% darker color. If you saturate the color by 10%, you get **41.2838, 38.2645, 67.4980**, and if you desaturate by 10%, it is **57.6933, 59.4457, 70.7215**.

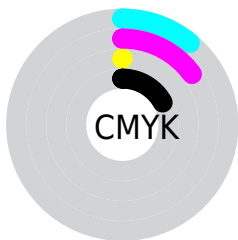
Distribution



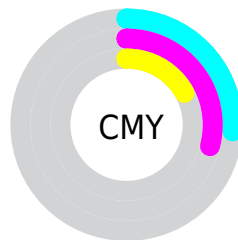
- Red (74%)
- Green (71%)
- Blue (83%)



- Red (74%)
- Yellow (71%)
- Blue (83%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)



- Cyan (26%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9440, 48.0873, 68.9895 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 48.9440, 48.0873, 68.9895 by changing the saturation by 10% instead.

■ 48.9440, 48.0873,
68.9895

■ 48.9440, 48.0873,
68.9895

373.0424,
379.1381, 475.6869

■ 34.7894, 33.8960,
50.2315

■ 87.8095, 87.3344,
119.4341

■ 23.6665, 22.8137,
35.2249

113.2511,
113.1590, 151.9578

■ 15.2098, 14.4560,
23.5512

143.1858,
143.6301, 189.9071

■ 9.0540, 8.4385,
14.7919

177.9789,
179.1322, 233.7006

■ 4.8338, 4.3768,
8.5285

217.9957,
220.0497, 283.7567

■ 2.1838, 1.8865,
4.3424

263.6017,

■ 0.7342, 0.5402,

266.7669, 340.4942

1.8150

315.1622,
319.6682, 404.3314

■ 0.0000, 0.0000,
0.4378

■ 0.0000, 0.0000,
0.0000

■ 48.9440, 48.0873,
68.9895

■ 48.9440, 48.0873,
68.9895

■ 41.2838, 38.2645,
67.4980

■ 57.6933, 59.4457,
70.7215

■ 34.6647, 29.9049,
66.2333

■ 67.5684, 72.3961,
72.7007

■ 29.0416, 22.9391,
65.1851

■ 78.6097, 86.9994,
74.9375

■ 24.3643, 17.2895,
64.3412

■ 87.6460, 96.8954,
76.3713

■ 20.5779, 12.8710,
63.6879

■ 88.8838, 97.5335,
76.4293

■ 17.6215, 9.5880,
63.2100

■ 15.4258, 7.3305,
62.8900

■ 13.9087, 5.9650,
62.7064

■ 13.3516, 5.5102,
62.6480

Harmonies

Analogous

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



45.8055, 48.0873, 72.0446



48.9440, 48.0873, 68.9895



51.3013, 48.0873, 61.4033

Triad

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



48.9440, 48.0873, 68.9895



48.7632, 48.0873, 38.4087



39.8211, 48.0873, 52.6455

Complementary

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



48.9440, 48.0873, 68.9895



56.6850, 63.2208, 52.3974

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.



40.5322, 48.0873, 44.2493



48.9440, 48.0873, 68.9895



45.6057, 48.0873, 36.6318

Square

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



48.9440, 48.0873, 68.9895



51.1935, 48.0873, 43.8080



42.6132, 48.0873, 38.6419



40.6245, 48.0873, 61.9559

Rectangle

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



48.9440, 48.0873, 68.9895



52.0597, 48.0873, 55.1885



42.6132, 48.0873, 38.6419



39.8907, 48.0873, 49.6277

Sweetspot

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



48.9455, 48.0893, 68.9906



87.6855, 90.3644, 107.4283



52.4274, 57.8979, 70.7003



18.5543, 19.0625, 22.9515



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.



48.9455, 48.0893, 68.9906



70.5641, 68.1753, 104.0478



52.9623, 50.1601, 69.1786



12.0306, 12.1572, 15.6500



8.3204, 3.4418, 38.6790



0.5783, 0.2470, 2.3365

Inverse Universe

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



54.3732, 51.0011, 64.1070



80.3223, 73.4129, 95.1482



52.6539, 61.1426, 52.2087



12.8142, 12.5772, 14.9619



20.6677, 10.2034, 21.3517



1.2788, 0.6283, 1.4573

Previews

White Background



This preview shows how the XYZ color 48.9440, 48.0873, 68.9895 looks on a white background.

Color Contrast Check

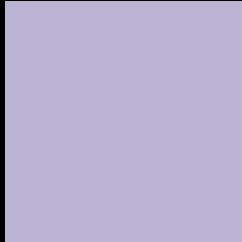
Large Text (above 18pt) WCAG AA × Fail

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 48.9440, 48.0873, 68.9895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

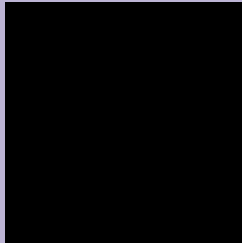
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9440, 48.0873, 68.9895

Background



This preview shows how black text looks on a background with the XYZ color 48.9440, 48.0873, 68.9895.



This preview shows how white text looks on a background with the XYZ color 48.9440, 48.0873,

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

48.9440, 48.0873, 68.9895

Protanopia

47.6615, 48.3057, 70.4302

Deuteranopia

49.1912, 48.2148, 69.0011



Tritanopia

47.2612, 48.3373, 59.6624

Trichromacy



Original Color

48.9440, 48.0873, 68.9895

Protanomaly

48.0296, 48.2051, 69.7239

Deuteranomaly

49.1912, 48.2148, 69.0011

Tritanomaly

47.8821, 48.2850, 62.6734

Monochromacy



Original Color

48.9440, 48.0873, 68.9895

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4843, 48.7859, 58.5437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9440, 48.0873, 68.9895 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(188, 180, 212)` looks like.

```
.text, #text, p{  
    color:rgb(188, 180, 212)  
}
```

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(188, 180, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 180, 212) }
```

Border

The CSS property to change the border of an element to XYZ 48.9440, 48.0873, 68.9895 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(188, 180, 212) }
```


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

```
.border{ border-color:rgb(188, 180, 212) }
```

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

Here you see how a box with a 4 pixel rgb(188, 180, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(188, 180,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9440, 48.0873, 68.9895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 180, 212) }
```

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

```
.background{ background-color: rgb(188,  
180, 212) }
```

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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