

Converting Colors

XYZ(48.8253, 50.6553, 74.0850)

Have a look what the booklet for
XYZ(48.8253, 50.6553, 74.0850)
contains.

XYZ(48.8883, 50.7398, 74.2349)	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(48.8883, 50.7398,
74.2349)**

Conversions

Conversions Part 1

Format	Color
Hex	B0BDD8
RGB	176, 189, 219
RGB Percent	69%, 74%, 86%
CMY	0.3098, 0.2588, 0.1412
CMYK	0.20, 0.14, 0.00, 0.14
HSL	222°, 37%, 77%
HSV	222°, 20%, 86%
XYZ	48.8883, 50.7398, 74.2349
YIQ	188.5330, -17.3780, 6.5740

Conversions

Conversions Part 2

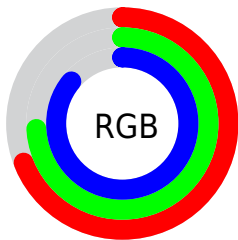
Format	Color
R _Y B	176, 186, 219
Decimal	11582939
CIE Lab	76.52, 1.82, -16.51
CIE LCh	77, 16.607, 276.276
Yxy	50.7398, 0.2812, 0.2918
Android (android.graphics.Color)	4289773019 (0xFFB0BDDB)
YUV	188.5330, 15.0202, -10.9914
Hunter-Lab	71.2319, -2.1466, -11.9273

Details

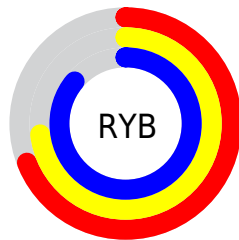
The XYZ color **48.8883, 50.7398, 74.2349** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.1217, 62.3373, 49.9918**, and the grayscale version is **48.0287, 50.5299, 55.0271**.

A 20% lighter version of the original color is **83.9811, 89.6806, 107.4916**, and **23.6734, 24.4996, 38.6031** is the 20% darker color. If you saturate the color by 10%, you get **41.2154, 42.1609, 72.9842**, and if you desaturate by 10%, it is **57.7094, 60.4271, 75.6406**.

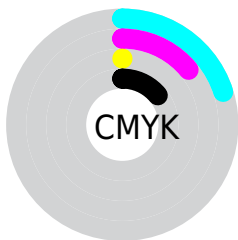
Distribution



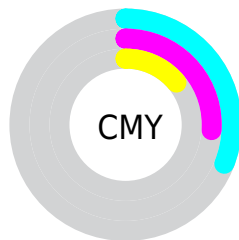
- Red (69%)
- Green (74%)
- Blue (86%)



- Red (69%)
- Yellow (73%)
- Blue (86%)



- Cyan (20%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)



- Cyan (31%)
- Magenta (26%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8883, 50.7398, 74.2349 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 48.8883, 50.7398, 74.2349 by changing the saturation by 10% instead.

■ 48.8883, 50.7398,
74.2349

■ 48.8883, 50.7398,
74.2349

372.8267,
389.5520, 494.4688

■ 34.7451, 36.0016,
54.4884

■ 87.7273, 91.2700,
126.9659

■ 23.6321, 24.4354,
38.5964

113.1537,
117.8308, 160.7874

■ 15.1842, 15.6569,
26.1405

143.0718,
149.1013, 200.1376

■ 9.0359, 9.2817,
16.7021

177.8471,
185.4658, 245.4351

■ 4.8219, 4.9254,
9.8626

217.8449,
227.3087, 297.0984

■ 2.1768, 2.2035,
5.2035

263.4305,

■ 0.7305, 0.7219,

275.0144, 355.5461

2.3064

314.9693,
328.9674, 421.1967

■ 0.0000, 0.0000,
0.7348

■ 0.0000, 0.0000,
0.0000

■ 48.8883, 50.7398,
74.2349

■ 48.8883, 50.7398,
74.2349

■ 41.2154, 42.1609,
72.9842

■ 57.7094, 60.4271,
75.6406

■ 34.6371, 34.6432,
71.8799

■ 67.7198, 71.2553,
77.2031

■ 29.1024, 28.1449,
70.9173

■ 78.9644, 83.2634,
78.9282

■ 24.5540, 22.6190,
70.0904

■ 88.2482, 94.8182,
80.6692

■ 20.9292, 18.0145,
69.3927

■ 89.7863, 97.8945,
81.1819

■ 18.1568, 14.2749,
68.8170

■ 16.1545, 11.3364,
68.3554

■ 14.7904, 9.1078,
67.9971

■ 14.7474, 9.0367,
67.9856

Harmonies

Analogous

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



45.8430, 50.7398, 72.5974



48.8883, 50.7398, 74.2349



51.8801, 50.7398, 70.3579

Triad

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



48.8883, 50.7398, 74.2349



53.2488, 50.7398, 45.6536



42.9184, 50.7398, 48.5915

Complementary

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



48.8883, 50.7398, 74.2349



59.1217, 62.3373, 49.9918

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.



44.7489, 50.7398, 42.4712



48.8883, 50.7398, 74.2349



50.6915, 50.7398, 40.9078

Square

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



48.8883, 50.7398, 74.2349



54.4669, 50.7398, 53.3821



47.5710, 50.7398, 39.8090



42.4823, 50.7398, 57.1549

Rectangle

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



48.8883, 50.7398, 74.2349



53.4133, 50.7398, 65.3913



47.5710, 50.7398, 39.8090



43.3871, 50.7398, 46.2101

Sweetspot

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



48.8899, 50.7419, 74.2360



86.3324, 90.5907, 107.5433



54.3028, 64.3204, 67.5545



18.2837, 19.1787, 22.9881



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.



48.8899, 50.7419, 74.2360



63.8667, 65.9026, 103.9621



48.0519, 46.3424, 73.4310



12.6581, 13.2560, 16.5436



8.8289, 5.5273, 40.3399



0.6466, 0.5073, 2.6383

Inverse Universe

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



53.9253, 49.7862, 54.9140



72.4095, 64.5235, 71.1273



60.0664, 67.6647, 50.9703



13.2173, 13.1160, 14.4055



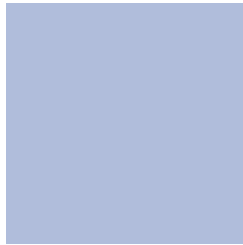
17.9518, 9.1817, 4.1261



1.2007, 0.6099, 0.4656

Previews

White Background



This preview shows how the XYZ color 48.8883, 50.7398, 74.2349 looks on a white background.

Color Contrast Check

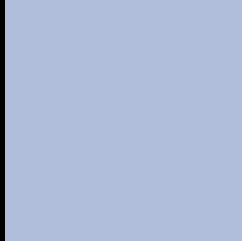
Large Text (above 18pt) WCAG AA × Fail

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 48.8883, 50.7398, 74.2349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

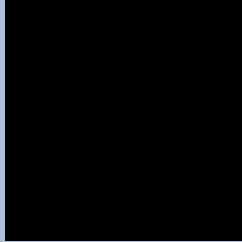
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8883, 50.7398, 74.2349

Background



This preview shows how black text looks on a background with the XYZ color 48.8883, 50.7398, 74.2349.



This preview shows how white text looks on a background with the XYZ color 48.8883, 50.7398,

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

48.8883, 50.7398, 74.2349

Protanopia

49.9537, 50.6699, 73.4771

Deuteranopia

51.7970, 50.6548, 74.7575



Tritanopia

47.2269, 50.7165, 65.6927

Trichromacy



Original Color

48.8883, 50.7398, 74.2349

Protanomaly

49.4605, 50.7317, 73.5150

Deuteranomaly

50.7269, 50.7242, 74.8273

Tritanomaly

47.8505, 50.6440, 68.8813

Monochromacy



Original Color

48.8883, 50.7398, 74.2349

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.3901, 50.7557, 61.8900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8883, 50.7398, 74.2349 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(176, 189, 219)` looks like.

```
.text, #text, p{  
    color:rgb(176, 189, 219)  
}
```

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(176, 189, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 189, 219) }
```

Border

The CSS property to change the border of an element to XYZ 48.8883, 50.7398, 74.2349 is called "border". The border property can be set on classes, ids or directly on the HTML element.

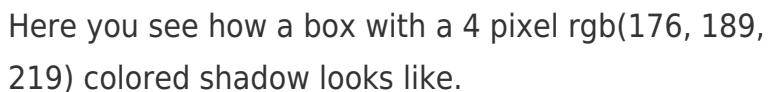
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 189, 219) }
```


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

```
.border{ border-color:rgb(176, 189, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 189, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 189, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 189, 219); box-shadow:4px 4px 4px 4px rgb(176, 189, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8883, 50.7398, 74.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 189, 219) }
```

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

```
.background{ background-color: rgb(176,  
189, 219) }
```

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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