

Converting Colors

XYZ(48.1688, 46.6789, 74.1813)

Have a look what the booklet for
XYZ(48.1688, 46.6789, 74.1813)
contains.

XYZ(48.1688, 46.6789, 74.1813)	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(48.1688, 46.6789,
74.1813)**

Conversions

Conversions Part 1	
Format	Color
Hex	B7B1DC
RGB	183, 177, 220
RGB Percent	72%, 69%, 86%
CMY	0.2823, 0.3059, 0.1373
CMYK	0.17, 0.20, 0.00, 0.14
HSL	248°, 38%, 78%
HSV	248°, 20%, 86%
XYZ	48.1688, 46.6789, 74.1813
YIQ	183.6960, -10.2270, 14.6450

Conversions

Conversions Part 2

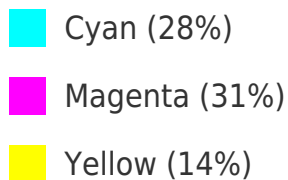
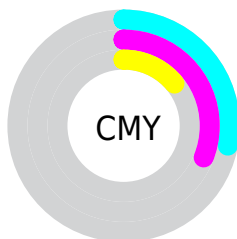
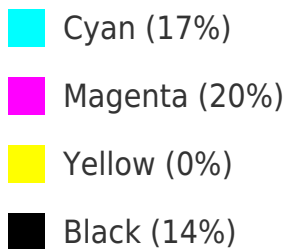
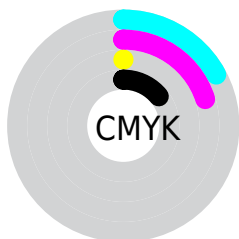
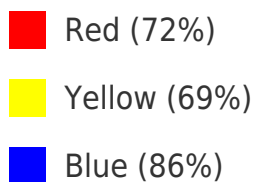
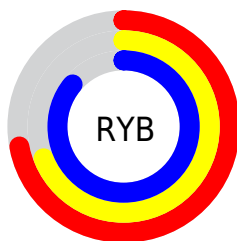
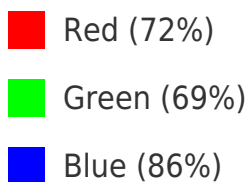
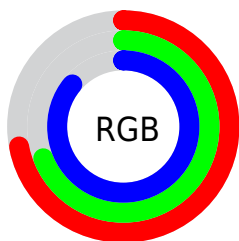
Format	Color
RYB	183, 177, 220
Decimal	12038620
CIELab	73.98, 10.78, -20.84
CIELCh	74, 23.462, 297.344
Yxy	46.6789, 0.2850, 0.2762
Android (android.graphics.Color)	4290228700 (0xFFB7B1DC)
YUV	183.6960, 17.8979, -0.6104
Hunter-Lab	68.3220, 6.2838, -16.5494

Details

The XYZ color **48.1688, 46.6789, 74.1813** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **61.2623, 68.6581, 51.6207**, and the grayscale version is **45.3020, 47.6613, 51.9031**.

A 20% lighter version of the original color is **82.7855, 83.8485, 106.4289**, and **23.2051, 21.8777, 38.5971** is the 20% darker color. If you saturate the color by 10%, you get **39.9648, 36.5114, 72.6519**, and if you desaturate by 10%, it is **57.6819, 58.5634, 75.9746**.

Distribution



Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1688, 46.6789, 74.1813 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 48.1688, 46.6789, 74.1813 by changing the saturation by 10% instead.


 48.1688, 46.6789,
74.1813

 48.1688, 46.6789,
74.1813


370.0323,
373.5314, 494.2790

 34.1724, 32.7819,
54.4448


 86.6639, 85.2341,
126.8892

 23.1896, 21.9594,
38.5618


111.8932,
110.6611, 160.6976

 14.8550, 13.8271,
26.1138

141.5976,
140.7002, 200.0338

 8.8034, 8.0005,
16.6822

176.1423,
175.7359, 245.3161

 4.6692, 4.0953,
9.8486

215.8928,
216.1524, 296.9633

 2.0873, 1.7270,
5.1944


261.2144,


 0.6823, 0.4410,


262.3342, 355.3938

2.3011


312.4724,
314.6658, 421.0262


 0.0000, 0.0000,
0.7318


 0.0000, 0.0000,
0.0000


 48.1688, 46.6789,
74.1813


 48.1688, 46.6789,
74.1813


 39.9648, 36.5114,
72.6519


 57.6819, 58.5634,
75.9746


 33.0081, 27.9759,
71.3711

 68.5536, 72.2335,
78.0402

 27.2381, 20.9885,
70.3265

 80.8363, 87.7608,
80.3899

 22.5878, 15.4557,
69.5036

 89.9184, 97.9474,
81.8774

■ 18.9830, 11.2737,
68.8864

■ 16.3406, 8.3248,
68.4565

■ 14.5642, 6.4707,
68.1923

■ 13.5111, 5.4891,
68.0583

■ 13.4741, 5.4538,
68.0534

Harmonies

Analogous

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



43.9949, 46.6789, 77.5132



48.1688, 46.6789, 74.1813



51.4965, 46.6789, 64.3101

Triad

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



48.1688, 46.6789, 74.1813



48.8546, 46.6789, 33.7790



36.8005, 46.6789, 49.7645

Complementary

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



48.1688, 46.6789, 74.1813



61.2623, 68.6581, 51.6207

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.



37.9277, 46.6789, 39.3712



48.1688, 46.6789, 74.1813



44.7410, 46.6789, 31.0964

Square

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



48.1688, 46.6789, 74.1813



51.9096, 46.6789, 40.9527



40.7705, 46.6789, 32.9719



37.5927, 46.6789, 62.1695

Rectangle

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



48.1688, 46.6789, 74.1813



52.6952, 46.6789, 56.0464



40.7705, 46.6789, 32.9719



36.9658, 46.6789, 45.9391

Sweetspot

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



48.1703, 46.6808, 74.1823



85.6829, 88.2116, 107.1183



55.1653, 62.7440, 76.9142



18.1306, 18.6183, 22.8881



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.



48.1703, 46.6808, 74.1823



62.9166, 59.7705, 102.8285



53.6078, 49.4840, 74.4368



12.5068, 12.7039, 16.4450



7.9628, 3.2291, 39.9420



0.5713, 0.2378, 2.5902

Inverse Universe

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



57.3765, 51.5170, 70.5403



77.8195, 67.6022, 96.7963



55.4634, 65.6687, 51.3493



13.5322, 13.2420, 16.0637



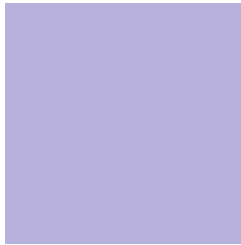
22.7640, 11.1066, 29.4668



1.4967, 0.7283, 2.0246

Previews

White Background



This preview shows how the XYZ color 48.1688, 46.6789, 74.1813 looks on a white background.

Color Contrast Check

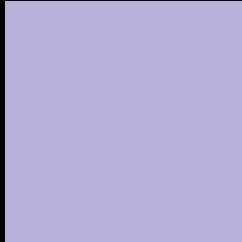
Large Text (above 18pt) WCAG AA × Fail

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 48.1688, 46.6789, 74.1813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

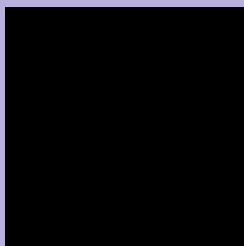
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1688, 46.6789, 74.1813

Background



This preview shows how black text looks on a background with the XYZ color 48.1688, 46.6789, 74.1813.



This preview shows how white text looks on a background with the XYZ color 48.1688, 46.6789,

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

48.1688, 46.6789, 74.1813

Protanopia

46.5193, 46.6871, 75.6669

Deuteranopia

47.8947, 46.8319, 74.2253



Tritanopia

45.0781, 46.6170, 58.8467

Trichromacy



Original Color
48.1688, 46.6789, 74.1813

Protanomaly
47.0757, 46.6908, 74.9377

Deuteranomaly
48.1301, 46.9532, 74.2363

Tritanomaly
46.1631, 46.7536, 64.3489

Monochromacy



Original Color
48.1688, 46.6789, 74.1813

Achromatopsia
45.5594, 47.9320, 52.1980

Achromatomaly
46.3691, 47.2693, 59.5033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1688, 46.6789, 74.1813 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(183, 177, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 177, 220)  
}
```

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(183, 177, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 177, 220) }
```

Border

The CSS property to change the border of an element to XYZ 48.1688, 46.6789, 74.1813 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(183, 177, 220) }
```


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

```
.border{ border-color:rgb(183, 177, 220) }
```

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

Here you see how a box with a 4 pixel rgb(183, 177, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 177, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 177, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 177,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1688, 46.6789, 74.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 177, 220) }
```

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

```
.background{ background-color: rgb(183,  
177, 220) }
```

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