

Converting Colors

XYZ(51.1672, 46.4884, 74.6830)

Have a look what the booklet for
XYZ(51.1672, 46.4884, 74.6830)
contains.

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Color

**XYZ(51.1672, 46.4884,
74.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	C7ABDD
RGB	199, 171, 221
RGB Percent	78%, 67%, 87%
CMY	0.2196, 0.3294, 0.1333
CMYK	0.10, 0.23, 0.00, 0.13
HSL	274°, 42%, 77%
HSV	274°, 23%, 87%
XYZ	51.1672, 46.4884, 74.6830
YIQ	185.0720, 0.6380, 21.4860

Conversions

Conversions Part 2

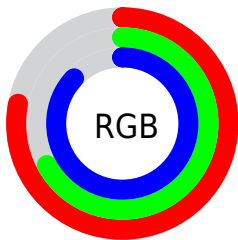
Format	Color
RYB	199, 171, 221
Decimal	13085661
CIELab	73.86, 19.41, -21.45
CIELCh	74, 28.927, 312.146
Yxy	46.4884, 0.2969, 0.2698
Android (android.graphics.Color)	4291275741 (0xFFC7ABDD)
YUV	185.0720, 17.7125, 12.2149
Hunter-Lab	68.1824, 14.6354, -17.2151

Details

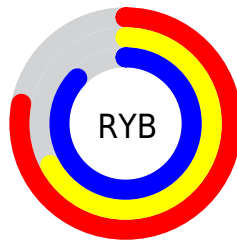
The XYZ color **51.1672, 46.4884, 74.6830** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.2012, 65.9919, 48.3586**, and the grayscale version is **46.0597, 48.4584, 52.7712**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **25.1568, 21.9666, 38.9905** is the 20% darker color. If you saturate the color by 10%, you get **44.8387, 37.5395, 73.2900**, and if you desaturate by 10%, it is **58.3614, 56.9221, 76.3185**.

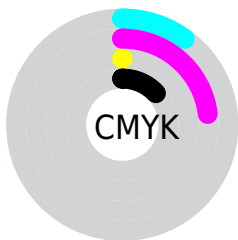
Distribution



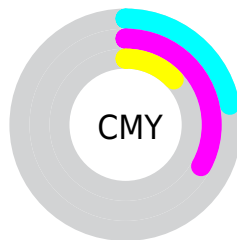
- Red (78%)
- Green (67%)
- Blue (87%)



- Red (78%)
- Yellow (67%)
- Blue (87%)



- Cyan (10%)
- Magenta (23%)
- Yellow (0%)
- Black (13%)



- Cyan (22%)
- Magenta (33%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1672, 46.4884, 74.6830 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 51.1672, 46.4884, 74.6830 by changing the saturation by 10% instead.

■ 51.1672, 46.4884,
74.6830

■ 51.1672, 46.4884,
74.6830

381.5900,
372.7687, 496.0536

■ 36.5633, 32.6314,
54.8531

■ 91.0834, 84.9495,
127.6065

■ 25.0417, 21.8442,
38.8863

117.1264,
110.3223, 161.5371

■ 16.2370, 13.7425,
26.3641

147.7131,
140.3026, 201.0051

■ 9.7839, 7.9418,
16.8680

183.2089,
175.2746, 246.4289

■ 5.3171, 4.0577,
9.9795

223.9791,
215.6229, 298.2272

■ 2.4711, 1.7059,
5.2799

270.3891,

■ 0.8807, 0.4275,

261.7317, 356.8183

2.3508

322.8043,
313.9855, 422.6210

■ 0.0000, 0.0000,
0.7595

■ 0.0000, 0.0000,
0.0000

■ 51.1672, 46.4884,
74.6830

■ 51.1672, 46.4884,
74.6830

■ 44.8387, 37.5395,
73.2900

■ 58.3614, 56.9221,
76.3185

■ 39.3338, 29.9984,
72.1245

■ 66.4523, 68.9007,
78.2041

■ 34.6132, 23.7904,
71.1751

■ 75.4743, 82.4882,
80.3513

■ 30.6323, 18.8309,
70.4276

■ 84.0375, 94.9003,
82.2957

■ 27.3413, 15.0254,
69.8665

■ 87.3895, 96.6283,
82.4526

■ 24.6833, 12.2652,
69.4738

■ 90.0513, 98.0005,
82.5771

■ 22.5904, 10.4199,
69.2280

■ 21.3283, 9.4875,
69.1145

Harmonies

Analogous

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



46.3017, 46.4884, 83.7018



51.1672, 46.4884, 74.6830



54.2944, 46.4884, 59.8172

Triad

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



51.1672, 46.4884, 74.6830



47.2909, 46.4884, 28.1433



35.1972, 46.4884, 56.8209

Complementary

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



51.1672, 46.4884, 74.6830



55.2012, 65.9919, 48.3586

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.



35.4169, 46.4884, 42.4138



51.1672, 46.4884, 74.6830



42.1354, 46.4884, 27.6522

Square

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



51.1672, 46.4884, 74.6830



51.9396, 46.4884, 33.8771



37.8703, 46.4884, 32.3727



37.2449, 46.4884, 72.1258

Rectangle

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



51.1672, 46.4884, 74.6830



54.8351, 46.4884, 49.5635



37.8703, 46.4884, 32.3727



35.0131, 46.4884, 51.6873

Sweetspot

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



51.1687, 46.4904, 74.6840



86.7868, 87.6759, 106.9567



49.0282, 52.2416, 75.9069



18.4298, 18.5498, 22.8591



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.



51.1687, 46.4904, 74.6840



66.5999, 58.3612, 102.3624



57.1035, 49.5881, 73.2359



13.0327, 12.9750, 16.4697



12.5221, 5.5796, 40.1554



0.9096, 0.4122, 2.6061

Inverse Universe

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



54.0090, 48.3503, 56.9403



71.2829, 61.4220, 73.3666



50.2440, 63.4086, 49.3824



13.2929, 13.1462, 14.8034



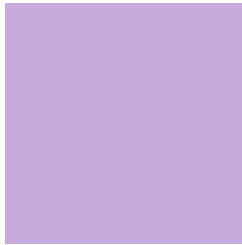
18.6371, 9.4559, 7.7351



1.2502, 0.6297, 0.7267

Previews

White Background



This preview shows how the XYZ color 51.1672, 46.4884, 74.6830 looks on a white background.

Color Contrast Check

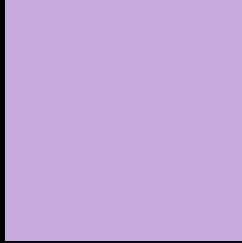
Large Text (above 18pt) WCAG AA × Fail

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 51.1672, 46.4884, 74.6830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

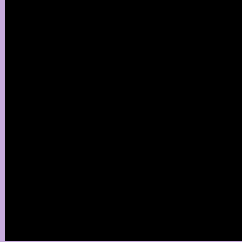
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1672, 46.4884, 74.6830

Background



This preview shows how black text looks on a background with the XYZ color 51.1672, 46.4884, 74.6830.



This preview shows how white text looks on a background with the XYZ color 51.1672, 46.4884,

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

51.1672, 46.4884, 74.6830

Protanopia

46.7640, 46.7346, 79.2290

Deuteranopia

47.6611, 46.7114, 74.2143



Tritanopia

47.2645, 46.6313, 55.2248

Trichromacy



Original Color

51.1672, 46.4884, 74.6830

Protanomaly

48.3688, 46.7043, 77.6997

Deuteranomaly

48.7418, 46.3920, 74.0957

Tritanomaly

48.6375, 46.6128, 61.6920

Monochromacy



Original Color

51.1672, 46.4884, 74.6830

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.7495, 47.6669, 60.1100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1672, 46.4884, 74.6830 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(199, 171, 221)` looks like.

```
.text, #text, p{  
    color:rgb(199, 171, 221)  
}
```

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(199, 171, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 171, 221) }
```

Border

The CSS property to change the border of an element to XYZ 51.1672, 46.4884, 74.6830 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(199, 171, 221) }
```


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

```
.border{ border-color:rgb(199, 171, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 171, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 171, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 171, 221);  
box-shadow:4px 4px 4px 4px rgb(199, 171,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1672, 46.4884, 74.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 171, 221) }
```

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

```
.background{ background-color: rgb(199,  
171, 221) }
```

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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