

Converting Colors

XYZ(49.8003, 46.5677, 78.4947)

Have a look what the booklet for
XYZ(49.8003, 46.5677, 78.4947)
contains.

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Color

**XYZ(49.8498, 46.5819,
78.3153)**

Conversions

Conversions Part 1

Format	Color
Hex	BDAEE2
RGB	189, 174, 226
RGB Percent	74%, 68%, 89%
CMY	0.2588, 0.3176, 0.1137
CMYK	0.16, 0.23, 0.00, 0.11
HSL	257°, 47%, 78%
HSV	257°, 23%, 89%
XYZ	49.8498, 46.5819, 78.3153
YIQ	184.4130, -7.7520, 19.3520

Conversions

Conversions Part 2

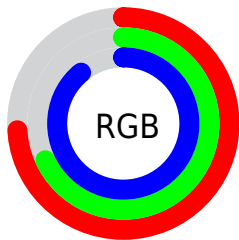
Format	Color
RYB	189, 174, 226
Decimal	12431074
CIELab	73.92, 15.63, -24.16
CIELCh	74, 28.773, 302.903
Yxy	46.5819, 0.2853, 0.2666
Android (android.graphics.Color)	4290621154 (0xFFBDAEE2)
YUV	184.4130, 20.5024, 4.0228
Hunter-Lab	68.2509, 10.9355, -20.2573

Details

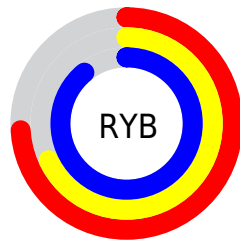
The XYZ color **49.8498, 46.5819, 78.3153** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.7017, 71.2987, 50.5564**, and the grayscale version is **45.6827, 48.0618, 52.3393**.

A 20% lighter version of the original color is **84.3529, 83.4065, 106.2609**, and **24.3019, 22.0102, 41.4956** is the 20% darker color. If you saturate the color by 10%, you get **42.0755, 36.6298, 76.8048**, and if you desaturate by 10%, it is **58.8040, 58.2350, 80.0934**.

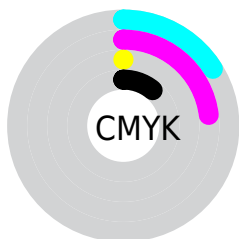
Distribution



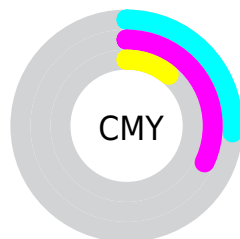
- Red (74%)
- Green (68%)
- Blue (89%)



- Red (74%)
- Yellow (68%)
- Blue (89%)



- Cyan (16%)
- Magenta (23%)
- Yellow (0%)
- Black (11%)



- Cyan (26%)
- Magenta (32%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8498, 46.5819, 78.3153 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 49.8498, 46.5819, 78.3153 by changing the saturation by 10% instead.

■ 49.8498, 46.5819,
78.3153

■ 49.8498, 46.5819,
78.3153

376.5400,
373.1432, 508.7932

■ 35.5114, 32.7053,
57.8150

■ 89.1454, 85.0892,
132.7844

■ 24.2254, 21.9007,
41.2463

114.8334,
110.4886, 167.5903

■ 15.6266, 13.7840,
28.1904

145.0352,
140.4978, 208.0019

■ 9.3495, 7.9706,
18.2289

180.1163,
175.5011, 254.4377

■ 5.0287, 4.0761,
10.9433

220.4419,
215.8828, 307.3161

■ 2.2991, 1.7162,
5.9151

266.3775,

■ 0.7942, 0.4341,

262.0275, 367.0558

2.7255

318.2884,
314.3195, 434.0754

■ 0.0000, 0.0000,
0.9562

■ 0.0000, 0.0000,
0.0000

■ 49.8498, 46.5819,
78.3153

■ 49.8498, 46.5819,
78.3153

■ 42.0755, 36.6298,
76.8048

■ 58.8040, 58.2350,
80.0934

■ 35.4255, 28.2919,
75.5460

■ 68.9814, 71.6587,
82.1480

■ 29.8462, 21.4828,
74.5257

■ 80.4287, 86.9258,
84.4915

■ 25.2777, 16.1061,
73.7287

■ 90.1148, 97.9551,
86.1099

■ 21.6537, 12.0546,
73.1377

■ 90.7276, 98.2710,
86.1386

■ 18.8990, 9.2051,
72.7329

■ 16.9251, 7.4102,
72.4905

■ 15.9201, 6.6213,
72.3912

Harmonies

Analogous

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



44.7759, 46.5819, 84.4728



49.8498, 46.5819, 78.3153



53.6455, 46.5819, 64.7008

Triad

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



49.8498, 46.5819, 78.3153



48.9197, 46.5819, 29.5052



35.1392, 46.5819, 52.1632

Complementary

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



49.8498, 46.5819, 78.3153



61.7017, 71.2987, 50.5564

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.



36.0641, 46.5819, 38.9136



49.8498, 46.5819, 78.3153



43.7773, 46.5819, 27.4214

Square

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



49.8498, 46.5819, 78.3153



53.0800, 46.5819, 36.8745



39.1316, 46.5819, 30.5130



36.5014, 46.5819, 67.6580

Rectangle

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



49.8498, 46.5819, 78.3153



54.7979, 46.5819, 54.2895



39.1316, 46.5819, 30.5130



35.1931, 46.5819, 47.3101

Sweetspot

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



49.8513, 46.5838, 78.3163



85.0982, 86.8054, 106.8777



54.5451, 61.2122, 80.8925



18.0391, 18.3484, 22.8408



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.



49.8513, 46.5838, 78.3163



60.0629, 54.2000, 101.9037



56.8110, 50.1717, 78.6421



13.3216, 13.4338, 17.2785



9.1843, 3.8300, 41.3036



0.7236, 0.3103, 2.8670

Inverse Universe

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



58.2594, 51.1459, 68.4313



73.2071, 61.3388, 86.1284



54.9098, 67.7973, 50.2386



14.1177, 13.8647, 16.3898



21.6075, 10.7100, 20.3968



1.5359, 0.7576, 1.6148

Previews

White Background



This preview shows how the XYZ color 49.8498, 46.5819, 78.3153 looks on a white background.

Color Contrast Check

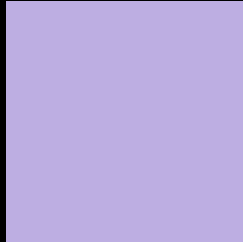
Large Text (above 18pt) WCAG AA × Fail

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 49.8498, 46.5819, 78.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

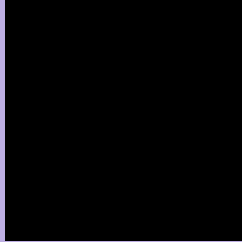
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8498, 46.5819, 78.3153

Background



This preview shows how black text looks on a background with the XYZ color 49.8498, 46.5819, 78.3153.



This preview shows how white text looks on a background with the XYZ color 49.8498, 46.5819,

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

49.8498, 46.5819, 78.3153

Protanopia

46.9664, 46.7907, 81.4190

Deuteranopia

47.6425, 46.6241, 77.7225



Tritanopia

45.5873, 46.6048, 57.6319

Trichromacy



Original Color

49.8498, 46.5819, 78.3153

Protanomaly

47.9677, 46.7280, 80.6200

Deuteranomaly

48.3688, 46.7043, 77.6997

Tritanomaly

47.0686, 46.6113, 64.9086

Monochromacy



Original Color

49.8498, 46.5819, 78.3153

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.8798, 47.2051, 60.6735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8498, 46.5819, 78.3153 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(189, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(189, 174, 226)  
}
```

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(189, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 174, 226) }
```

Border

The CSS property to change the border of an element to XYZ 49.8498, 46.5819, 78.3153 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(189, 174, 226) }
```


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

```
.border{ border-color:rgb(189, 174, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(189, 174,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8498, 46.5819, 78.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 174, 226) }
```

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

```
.background{ background-color: rgb(189,  
174, 226) }
```

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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