

Converting Colors

XYZ(48.8833, 39.7243, 80.6924)

Have a look what the booklet for
XYZ(48.8833, 39.7243, 80.6924)
contains.

XYZ(48.8833, 39.7243, 80.6924)	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(48.8833, 39.7243,
80.6924)**

Conversions

Conversions Part 1

Format	Color
Hex	C796E7
RGB	199, 150, 231
RGB Percent	78%, 59%, 91%
CMY	0.2196, 0.4117, 0.0941
CMYK	0.14, 0.35, 0.00, 0.09
HSL	276°, 63%, 75%
HSV	276°, 35%, 91%
XYZ	48.8833, 39.7243, 80.6924
YIQ	173.8850, 3.2030, 35.5790

Conversions

Conversions Part 2

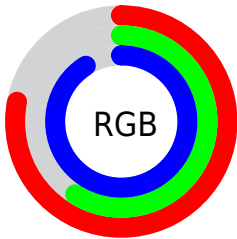
Format	Color
RYB	199, 150, 231
Decimal	13080295
CIELab	69.27, 33.04, -33.97
CIELCh	69, 47.390, 314.211
Yxy	39.7243, 0.2887, 0.2346
Android (android.graphics.Color)	4291270375 (0xFFC796E7)
YUV	173.8850, 28.1577, 22.0259
Hunter-Lab	63.0272, 28.1452, -31.7887

Details

The XYZ color **48.8833, 39.7243, 80.6924** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.3736, 69.2999, 39.4190**, and the grayscale version is **40.0332, 42.1180, 45.8665**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **23.6071, 17.7598, 42.7412** is the 20% darker color. If you saturate the color by 10%, you get **43.2052, 31.8547, 79.4733**, and if you desaturate by 10%, it is **55.4359, 49.1251, 82.1622**.

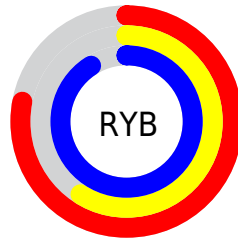
Distribution



Red (78%)

Green (59%)

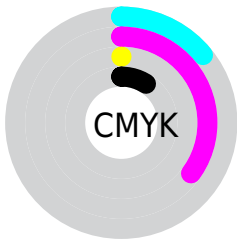
Blue (91%)



Red (78%)

Yellow (59%)

Blue (91%)

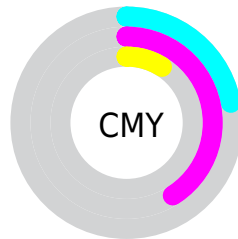


Cyan (14%)

Magenta (35%)

Yellow (0%)

Black (9%)



Cyan (22%)


Magenta (41%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8833, 39.7243, 80.6924 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 48.8833, 39.7243, 80.6924 by changing the saturation by 10% instead.


 48.8833, 39.7243,
80.6924

 48.8833, 39.7243,
80.6924


372.8073,
344.9602, 517.0314

 34.7411, 27.3237,
59.7588


 87.7199, 74.7435,
136.1590

 23.6291, 17.8164,
42.8002


 113.1449, 98.1309,
171.5290

 15.1819, 10.8183,
29.3981


143.0616,
125.9492, 212.5482

 9.0343, 5.9448,
19.1341

177.8353,
158.5830, 259.6352

 4.8209, 2.8115,
11.5894

217.8314,
196.4166, 313.2084

 2.1762, 1.0341,
6.3456

263.4152,

 0.7302, 0.0000,

239.8344, 373.6865

2.9842

314.9520,
289.2208, 441.4880

■ 0.0000, 0.0000,
1.0866

■ 0.0000, 0.0000,
0.0000

■ 48.8833, 39.7243,
80.6924

■ 48.8833, 39.7243,
80.6924

■ 43.2052, 31.8547,
79.4733

■ 55.4359, 49.1251,
82.1622

■ 38.3520, 25.4243,
78.4879

■ 62.9008, 60.1323,
83.8934

■ 34.2753, 20.3387,
77.7212

■ 71.3182, 72.8218,
85.8990

■ 30.9188, 16.4895,
77.1551

■ 80.7248, 87.2632,
88.1907

■ 28.2177, 13.7512,
76.7689

■ 87.7118, 96.6359,
89.6316

■ 26.0929, 11.9698,
76.5371

■ 90.9684, 98.3147,
89.7840

■ 25.1956, 11.3225,
76.4594

■ 91.4239, 98.5496,
89.8053

Harmonies

Analogous

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



41.4567, 39.7243, 97.7872



48.8833, 39.7243, 80.6924



53.6256, 39.7243, 55.6609

Triad

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



48.8833, 39.7243, 80.6924



41.8715, 39.7243, 14.1985



25.2952, 39.7243, 54.3548

Complementary

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



48.8833, 39.7243, 80.6924



53.3736, 69.2999, 39.4190

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.



25.3750, 39.7243, 32.8414



48.8833, 39.7243, 80.6924



34.2838, 39.7243, 14.0571

Square

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



48.8833, 39.7243, 80.6924



49.2219, 39.7243, 20.1521



28.4613, 39.7243, 19.6665



28.2264, 39.7243, 79.4642

Rectangle

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



48.8833, 39.7243, 80.6924



54.2746, 39.7243, 40.2539



28.4613, 39.7243, 19.6665



24.9845, 39.7243, 46.3975

Sweetspot

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



48.8846, 39.7260, 80.6933



82.7854, 81.3493, 105.9465



43.8129, 45.8751, 82.1475



17.4181, 16.9594, 22.6054



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.



48.8846, 39.7260, 80.6933



55.9746, 42.4681, 99.8547



57.1682, 44.1254, 75.2461



14.4152, 14.3163, 18.1479



14.2683, 6.4215, 42.8706



1.1582, 0.5280, 3.1728

Inverse Universe

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



52.3060, 42.1806, 49.6423



61.1316, 46.1354, 54.5193



47.3351, 66.1089, 42.6601



14.6116, 14.4618, 16.1552



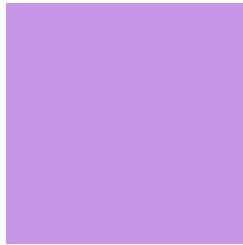
19.5970, 9.9730, 6.7727



1.4928, 0.7548, 0.7358

Previews

White Background



This preview shows how the XYZ color 48.8833, 39.7243, 80.6924 looks on a white background.

Color Contrast Check

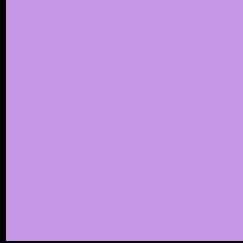
Large Text (above 18pt) WCAG AA × Fail

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 48.8833, 39.7243, 80.6924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

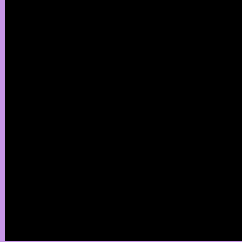
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8833, 39.7243, 80.6924

Background



This preview shows how black text looks on a background with the XYZ color 48.8833, 39.7243, 80.6924.



This preview shows how white text looks on a background with the XYZ color 48.8833, 39.7243,

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

48.8833, 39.7243, 80.6924

Protanopia

41.6495, 40.0984, 91.1325

Deuteranopia

40.9592, 40.0112, 78.9629



Tritanopia

41.7955, 39.8438, 45.5322

Trichromacy



Original Color

48.8833, 39.7243, 80.6924

Protanomaly

43.6347, 39.6142, 87.0079

Deuteranomaly

43.4653, 39.6929, 79.4994

Tritanomaly

44.0695, 39.7313, 56.9760

Monochromacy



Original Color

48.8833, 39.7243, 80.6924

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.8339, 40.9177, 57.2701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8833, 39.7243, 80.6924 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, 150, 231)` looks like.

```
.text, #text, p{  
    color:rgb(199, 150, 231)  
}
```

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, 150, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 150, 231) }
```

Border

The CSS property to change the border of an element to XYZ 48.8833, 39.7243, 80.6924 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, 150, 231) }
```


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

```
.border{ border-color:rgb(199, 150, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 150, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 150, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 150, 231);  
box-shadow:4px 4px 4px 4px rgb(199, 150,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8833, 39.7243, 80.6924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 150, 231) }
```

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

```
.background{ background-color: rgb(199,  
150, 231) }
```

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