

Converting Colors

XYZ(58.0295, 48.4693, 82.6400)

Have a look what the booklet for
XYZ(58.0295, 48.4693, 82.6400)
contains.

XYZ(58.0205, 48.4708, 82.6417)	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(58.0205, 48.4708,
82.6417)**

Conversions

Conversions Part 1

Format	Color
Hex	DDA6E8
RGB	221, 166, 232
RGB Percent	87%, 65%, 91%
CMY	0.1333, 0.3490, 0.0902
CMYK	0.05, 0.28, 0.00, 0.09
HSL	290°, 59%, 78%
HSV	290°, 28%, 91%
XYZ	58.0205, 48.4708, 82.6417
YIQ	189.9690, 11.5940, 32.1860

Conversions

Conversions Part 2

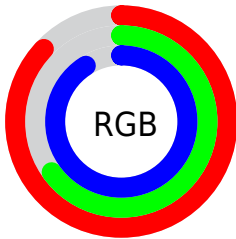
Format	Color
R _Y B	221, 166, 232
Decimal	14526184
CIE Lab	75.12, 31.39, -25.33
CIE LCh	75, 40.332, 321.094
Yxy	48.4708, 0.3068, 0.2563
Android (android.graphics.Color)	4292716264 (0xFFDDA6E8)
YUV	189.9690, 20.7213, 27.2142
Hunter-Lab	69.6210, 26.9210, -21.6439

Details

The XYZ color **58.0205, 48.4708, 82.6417** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.8727, 69.8147, 46.7150**, and the grayscale version is **48.8069, 51.3486, 55.9187**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **29.2587, 22.9442, 43.9609** is the 20% darker color. If you saturate the color by 10%, you get **53.0142, 40.1850, 81.3070**, and if you desaturate by 10%, it is **63.8177, 58.2961, 84.2334**.

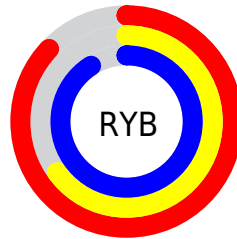
Distribution



Red (87%)

Green (65%)

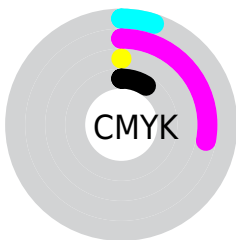
Blue (91%)



Red (87%)

Yellow (65%)

Blue (91%)

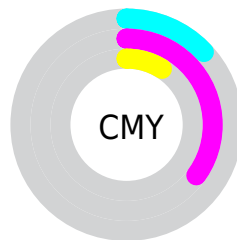


Cyan (5%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (13%)


Magenta (35%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0205, 48.4708, 82.6417 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 58.0205, 48.4708, 82.6417 by changing the saturation by 10% instead.


 58.0205, 48.4708,
82.6417


 58.0205, 48.4708,
82.6417


407.2149,
380.6552, 523.7313

 42.0685, 34.1999,
61.3557

 101.0755, 87.9050,
138.9183

 29.3462, 23.0472,
44.0799


 128.9092,
113.8370, 174.7459

 19.4885, 14.6284,
30.3957


161.4341,
144.4248, 216.2579

 12.1299, 8.5590,
19.8845

199.0156,
180.0529, 263.8727

 6.9050, 4.4547,
12.1279

242.0191,
221.1056, 318.0089

 3.4486, 1.9310,
6.7072

290.8099,

 1.3952, 0.5669,

267.9673, 379.0851

3.2040

345.7534,
321.0224, 447.5197

■ 0.2528, 0.0000,
1.1997

■ 0.0000, 0.0000,
0.0000

■ 58.0205, 48.4708,
82.6417

■ 58.0205, 48.4708,
82.6417

■ 53.0142, 40.1850,
81.3070

■ 63.8177, 58.2961,
84.2334

■ 48.7531, 33.3506,
80.2124

■ 70.4391, 69.7305,
86.0914

■ 45.1938, 27.8800,
79.3440

■ 77.9219, 82.8467,
88.2287

■ 42.2863, 23.6736,
78.6854

■ 85.0734, 95.2594,
90.2477

39.9739, 20.6182,
78.2175

86.3746, 95.9302,
90.3086

38.1896, 18.5800,
77.9181

87.7039, 96.6154,
90.3708

36.8362, 17.3652,
77.7550

89.0612, 97.3152,
90.4343

36.6433, 17.2077,
77.7347

90.4469, 98.0295,
90.4992

91.5656, 98.6062,
90.5515

Harmonies

Analogous

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



51.3690, 48.4708, 100.5081



58.0205, 48.4708, 82.6417



61.5622, 48.4708, 59.3227

Triad

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



58.0205, 48.4708, 82.6417



48.3024, 48.4708, 21.9436



34.0565, 48.4708, 68.7983

Complementary

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



58.0205, 48.4708, 82.6417



53.8727, 69.8147, 46.7150

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.



33.4229, 48.4708, 46.7305



58.0205, 48.4708, 82.6417



41.1486, 48.4708, 23.2115

Square

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



58.0205, 48.4708, 82.6417



55.5709, 48.4708, 27.0443



35.8847, 48.4708, 31.1432



37.7189, 48.4708, 91.1465

Rectangle

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



58.0205, 48.4708, 82.6417



61.4481, 48.4708, 45.3353



35.8847, 48.4708, 31.1432



33.4989, 48.4708, 60.9903

Sweetspot

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



58.0220, 48.4729, 82.6427



86.7674, 85.5031, 106.5384



46.0155, 45.3797, 82.6785



18.3029, 17.8341, 22.7276



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.



58.0220, 48.4729, 82.6427



68.2303, 53.9579, 101.4265



58.5493, 49.0834, 67.3624



14.7470, 14.4873, 18.1634



20.4351, 9.6006, 43.1592



1.5730, 0.7419, 3.1923

Inverse Universe

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



54.8524, 47.6047, 47.8947



63.8193, 52.7847, 51.4882



53.6613, 69.4523, 58.1564



14.4745, 14.4070, 15.4331



18.7062, 9.6167, 2.0819



1.4118, 0.7224, 0.3091

Previews

White Background



This preview shows how the XYZ color 58.0205, 48.4708, 82.6417 looks on a white background.

Color Contrast Check

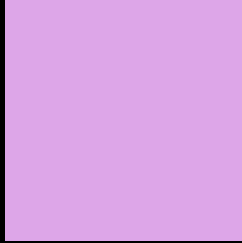
Large Text (above 18pt) WCAG AA × Fail

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 58.0205, 48.4708, 82.6417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

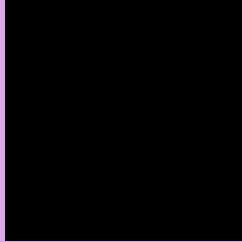
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0205, 48.4708, 82.6417

Background



This preview shows how black text looks on a background with the XYZ color 58.0205, 48.4708, 82.6417.



This preview shows how white text looks on a background with the XYZ color 58.0205, 48.4708,

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

58.0205, 48.4708, 82.6417

Protanopia

49.4111, 48.7235, 92.3883

Deuteranopia

49.7228, 48.5286, 80.8750



Tritanopia

52.2375, 48.3500, 54.1562

Trichromacy



Original Color

58.0205, 48.4708, 82.6417



Protanomaly

51.9438, 48.3003, 89.0232



Deuteranomaly

52.5732, 48.4996, 81.4534



Tritanomaly

54.0773, 48.2372, 63.5873

Monochromacy



Original Color

58.0205, 48.4708, 82.6417



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

51.6307, 49.8730, 64.6628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0205, 48.4708, 82.6417 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(221, 166, 232)` looks like.

```
.text, #text, p{  
    color:rgb(221, 166, 232)  
}
```

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(221, 166, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 166, 232) }
```

Border

The CSS property to change the border of an element to XYZ 58.0205, 48.4708, 82.6417 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(221, 166, 232) }
```


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

```
.border{ border-color:rgb(221, 166, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 166, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 166, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 166, 232);  
box-shadow:4px 4px 4px 4px rgb(221, 166,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0205, 48.4708, 82.6417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 166, 232) }
```

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

```
.background{ background-color: rgb(221,  
166, 232) }
```

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