

Converting Colors

CIELCh(50, 88.913, 333.771)

Have a look what the booklet for
CIELCh(50, 88.913, 333.771)
contains.

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Color

CIELCh(50, 88.802, 333.901)

Conversions

Conversions Part 1

Format	Color
Hex	D519BB
RGB	213, 25, 187
RGB Percent	84%, 10%, 73%
CMY	0.1648, 0.9022, 0.2668
CMYK	0.00, 0.88, 0.12, 0.16
HSL	308°, 79%, 47%
HSV	308°, 88%, 84%
XYZ	36.7414, 18.4187, 48.6121
YIQ	99.6800, 60.0460, 90.2380

Conversions

Conversions Part 2

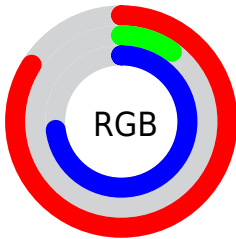
Format	Color
R _Y B	213, 25, 187
Decimal	13965755
CIE Lab	50.00, 79.75, -39.07
CIE LCh	50, 88.802, 333.901
Yxy	18.4187, 0.3541, 0.1775
Android (android.graphics.Color)	4292155835 (0xFFD519BB)
YUV	99.6800, 43.0488, 99.3816
Hunter-Lab	42.9170, 77.7100, -37.1161

Details

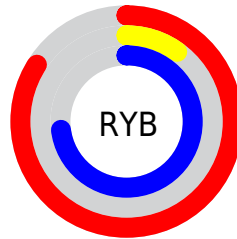
The CIELCh color **50, 88.802, 333.901** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **75, 95.896, 138.757**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 87.116, 329.781**, and **35, 71.380, 334.425** is the 20% darker color. If you saturate the color by 10%, you get **49, 90.282, 334.580**, and if you desaturate by 10%, it is **52, 84.894, 333.263**.

Distribution



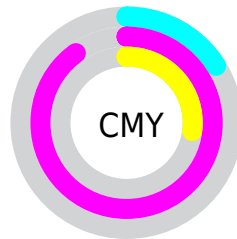
- Red (84%)
- Green (10%)
- Blue (73%)



- Red (84%)
- Yellow (10%)
- Blue (73%)



- Cyan (0%)
- Magenta (88%)
- Yellow (12%)
- Black (16%)





- Cyan (16%)
- Magenta (90%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 88.802, 333.901 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 CIELCh color 50, 88.802, 333.901 by changing the saturation by 10% instead.


 50, 88.802,
333.901


 50, 88.802,
333.901


 100, 88.802,
333.901


 40, 88.802,
333.901


 70, 88.802,
333.901

 30, 88.802,
333.901


 80, 88.802,
333.901


 20, 88.802,
333.901

 90, 88.802,
333.901

 10, 88.802,
333.901

 0, 88.802, 333.901

 50, 88.802,
333.901

 50, 88.802,
333.901

49, 90.282,
334.580

52, 84.894,
333.263

49, 90.440,
334.698

54, 78.442,
332.644

57, 69.767,
332.029

61, 59.377,
331.410

66, 47.812,
330.788

70, 35.554,
330.164

75, 22.981,
329.544

81, 10.365,
328.925

86, 2.108, 148.512

Harmonies

Complementary

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



50, 88.802, 333.901



75, 95.896, 138.757

Rectangle

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



50, 88.802, 333.901



50, 88.802, 23.901



50, 88.802, 153.901



50, 88.802, 203.901

Sweetspot

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



50, 88.799, 333.901



84, 37.834, 330.039



30, 108.985, 306.185



43, 25.624, 330.256



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 88.799, 333.901



58, 103.493, 334.775



46, 71.245, 9.565



42, 7.134, 328.996



39, 76.871, 334.586



6, 29.775, 333.121

Inverse Universe

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



50, 88.799, 333.901



58, 103.493, 334.775



76, 62.893, 159.314



42, 7.134, 328.996



39, 76.871, 334.586



6, 29.775, 333.121

Previews

White Background



This preview shows how the CIELCh color 50, 88.802, 333.901 looks on a white background.

Color Contrast Check

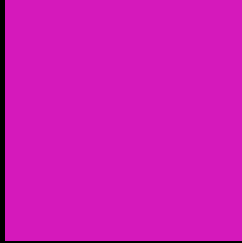
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 88.802, 333.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

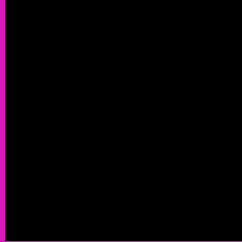
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 88.802, 333.901

Background



This preview shows how black text looks on a background with the CIELCh color 50, 88.802, 333.901.



This preview shows how white text looks on a background with the CIELCh color 50, 88.802, 333.901.

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

50, 88.802, 333.901

Protanopia

51, 75.737, 287.570

Deuteranopia

50, 33.682, 282.269



Tritanopia
50, 56.192, 25.443

Trichromacy



Original Color
50, 88.802, 333.901



Protanomaly
43, 83.994, 299.639



Deuteranomaly
46, 58.216, 313.813



Tritanomaly
49, 62.712, 359.224

Monochromacy



Original Color
50, 88.802, 333.901



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 42.672, 331.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 88.802, 333.901 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(213, 25, 187)` looks like.

```
.text, #text, p{  
    color:rgb(213, 25, 187)  
}
```

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(213, 25, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 25, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 88.802, 333.901 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(213, 25, 187) }
```

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

```
.border{ border-color:rgb(213, 25, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 25, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 25, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 25, 187);  
box-shadow:4px 4px 4px 4px rgb(213, 25,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 88.802, 333.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 25, 187) }
```

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

```
.background{ background-color: rgb(213, 25,  
187) }
```

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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