

Converting Colors

CIELCh(48, 89.470, 327.007)

Have a look what the booklet for
CIELCh(48, 89.470, 327.007)
contains.

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Color

CIELCh(48, 89.589, 326.949)

Conversions

Conversions Part 1

Format	Color
Hex	C126C6
RGB	193, 38, 198
RGB Percent	76%, 15%, 78%
CMY	0.2432, 0.8511, 0.2236
CMYK	0.03, 0.81, 0.00, 0.22
HSL	298°, 68%, 46%
HSV	298°, 81%, 78%
XYZ	32.8685, 16.7945, 54.9216
YIQ	102.5850, 41.0200, 82.6200

Conversions

Conversions Part 2

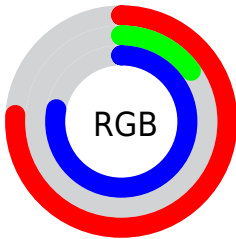
Format	Color
R_{YB}	193, 38, 198
Decimal	12658374
CIE _{Lab}	48.00, 75.09, -48.86
CIE _{LCh}	48, 89.589, 326.949
Yxy	16.7945, 0.3143, 0.1606
Android (android.graphics.Color)	4290848454 (0xFFC126C6)
YUV	102.5850, 47.0396, 79.2940
Hunter-Lab	40.9810, 71.4476, -50.7720

Details

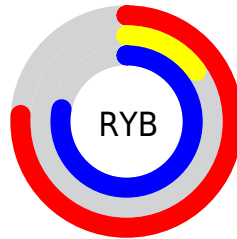
The CIELCh color **48, 89.589, 326.949** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **70, 91.600, 136.760**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.343, 327.027**, and **32, 75.346, 326.085** is the 20% darker color. If you saturate the color by 10%, you get **47, 93.674, 327.016**, and if you desaturate by 10%, it is **50, 83.073, 326.771**.

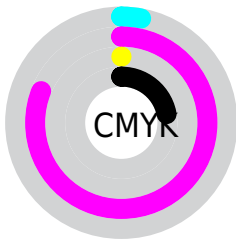
Distribution



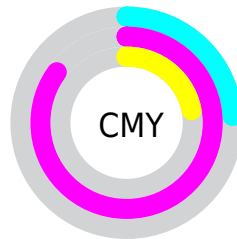
- Red (76%)
- Green (15%)
- Blue (78%)



- Red (76%)
- Yellow (15%)
- Blue (78%)



- Cyan (3%)
- Magenta (81%)
- Yellow (0%)
- Black (22%)



- Cyan (24%)
- Magenta (85%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 89.589, 326.949 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 48, 89.589, 326.949 by changing the saturation by 10% instead.

 48, 89.589,
326.949


 48, 89.589,
326.949


 100, 89.589,
326.949

 38, 89.589,
326.949

 68, 89.589,
326.949

 28, 89.589,
326.949

 78, 89.589,
326.949

 18, 89.589,
326.949

 88, 89.589,
326.949

 8, 89.589, 326.949

 98, 89.589,
326.949

 0, 89.589, 326.949

 48, 89.589,

 48, 89.589,

326.949

■ 47, 93.674,
327.016

■ 46, 95.656,
326.996

326.949

■ 50, 83.073,
326.771

■ 53, 74.366,
326.490

■ 56, 63.907,
326.122

■ 60, 52.204,
325.686

■ 65, 39.728,
325.202

■ 69, 26.866,
324.689

■ 74, 13.907,
324.157

■ 79, 1.052, 323.415

■ 85, 11.569,
143.160

Harmonies

Complementary

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



48, 89.589, 326.949



70, 91.600, 136.760

Rectangle

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



48, 89.589, 326.949



48, 89.589, 16.949



48, 89.589, 146.949



48, 89.589, 196.949

Sweetspot

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



48, 89.587, 326.949



85, 38.047, 324.873



30, 94.334, 303.149



43, 26.126, 325.059



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 89.587, 326.949



59, 115.219, 326.995



45, 66.869, 352.863



39, 7.311, 324.079



38, 82.880, 327.013



4, 26.389, 325.776

Inverse Universe

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



44, 72.068, 32.271



53, 101.877, 38.532



71, 66.620, 151.532



39, 4.279, 17.392



34, 73.392, 38.505



3, 15.897, 17.783

Previews

White Background



This preview shows how the CIELCh color 48, 89.589, 326.949 looks on a white background.

Color Contrast Check

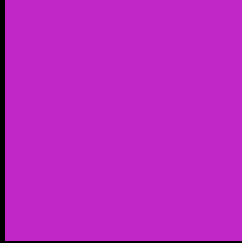
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 89.589, 326.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

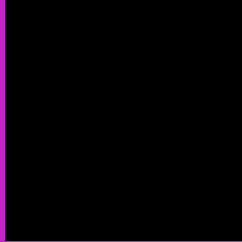
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 89.589, 326.949

Background



This preview shows how black text looks on a background with the CIELCh color 48, 89.589, 326.949.



This preview shows how white text looks on a background with the CIELCh color 48, 89.589, 326.949.

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, 89.589, 326.949

Protanopia

49, 72.316, 287.191

Deuteranopia

48, 43.181, 279.770



Tritanopia
48, 42.954, 22.099

Trichromacy



Original Color
48, 89.589, 326.949



Protanomaly
43, 81.344, 298.371



Deuteranomaly
45, 62.248, 305.126



Tritanomaly
47, 54.419, 349.614

Monochromacy



Original Color
48, 89.589, 326.949



Achromatopsia
44, 0.006, 296.813



Achromatomaly
42, 40.674, 325.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 89.589, 326.949 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(193, 38, 198)` looks like.

```
.text, #text, p{  
    color:rgb(193, 38, 198)  
}
```

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(193, 38, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 38, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 89.589, 326.949 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(193, 38, 198) }
```

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

```
.border{ border-color:rgb(193, 38, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 38, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 38, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 38, 198);  
box-shadow:4px 4px 4px 4px rgb(193, 38,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 89.589, 326.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 38, 198) }
```

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

```
.background{ background-color: rgb(193, 38,  
198) }
```

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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