

Converting Colors

CIELCh(49, 110.926, 319.835)

Have a look what the booklet for
CIELCh(49, 110.926, 319.835)
contains.

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Color

CIELCh(49, 110.685, 319.934)

Conversions

Conversions Part 1

Format	Color
Hex	BD14F0
RGB	189, 20, 240
RGB Percent	74%, 8%, 94%
CMY	0.2590, 0.9221, 0.0591
CMYK	0.21, 0.92, 0.00, 0.06
HSL	286°, 88%, 51%
HSV	286°, 92%, 94%
XYZ	36.9385, 17.5941, 83.8405
YIQ	95.6110, 30.1040, 104.2480

Conversions

Conversions Part 2

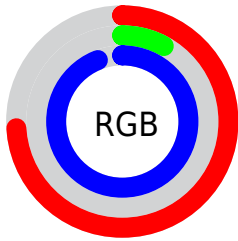
Format	Color
R _Y B	189, 20, 240
Decimal	12391664
CIE Lab	49.00, 84.71, -71.24
CIE LCh	49, 110.685, 319.934
Yxy	17.5941, 0.2669, 0.1271
Android (android.graphics.Color)	4290581744 (0xFFBD14F0)
YUV	95.6110, 71.1838, 81.9022
Hunter-Lab	41.9453, 83.7890, -89.1475

Details

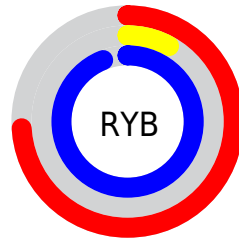
The CIELCh color **49, 110.685, 319.934** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **84, 109.032, 133.979**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 92.351, 326.544**, and **34, 93.248, 317.526** is the 20% darker color. If you saturate the color by 10%, you get **48, 113.082, 319.478**, and if you desaturate by 10%, it is **51, 105.328, 320.276**.

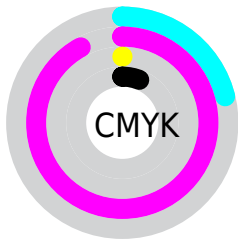
Distribution



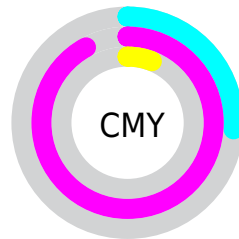
- Red (74%)
- Green (8%)
- Blue (94%)



- Red (74%)
- Yellow (8%)
- Blue (94%)



- Cyan (21%)
- Magenta (92%)
- Yellow (0%)
- Black (6%)





- Cyan (26%)
- Magenta (92%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 110.685, 319.934 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 49, 110.685, 319.934 by changing the saturation by 10% instead.


 49, 110.685,
319.934


 49, 110.685,
319.934


 100, 110.685,
319.934


 39, 110.685,
319.934


 69, 110.685,
319.934


 29, 110.685,
319.934


 79, 110.685,
319.934


 19, 110.685,
319.934


 89, 110.685,
319.934

 9, 110.685,
319.934

 99, 110.685,
319.934

 0, 110.685,
319.934

 49, 110.685,

 49, 110.685,

319.934

319.934

■ 48, 113.082,
319.478

■ 51, 105.328,
320.276

■ 55, 96.985,
320.369

■ 59, 86.168,
320.262

■ 64, 73.570,
320.007

■ 69, 59.857,
319.654

■ 75, 45.561,
319.242

■ 81, 31.068,
318.802

■ 87, 16.636,
318.351

Harmonies

Complementary

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



49, 110.685, 319.934



84, 109.032, 133.979

Rectangle

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



49, 110.685, 319.934



49, 110.685, 9.934



49, 110.685, 139.934



49, 110.685, 189.934

Sweetspot

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



49, 110.684, 319.934



82, 42.205, 319.084



40, 100.277, 299.401



41, 29.170, 319.272



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 110.684, 319.934



51, 118.430, 319.452



54, 89.524, 341.444



47, 8.040, 318.248



36, 92.464, 319.611



7, 40.056, 320.674

Inverse Universe

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



51, 83.159, 23.453



54, 91.947, 28.188



83, 99.626, 141.360



47, 5.222, 1.705



38, 71.142, 26.950



8, 28.915, 14.060

Previews

White Background



This preview shows how the CIE LCh color 49, 110.685, 319.934 looks on a white background.

Color Contrast Check

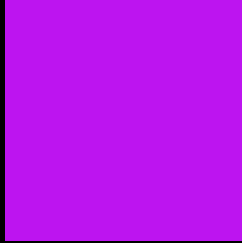
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 110.685, 319.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

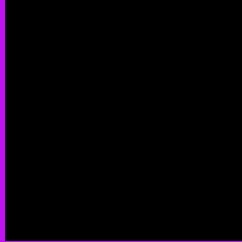
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 110.685, 319.934

Background



This preview shows how black text looks on a background with the CIELCh color 49, 110.685, 319.934.



This preview shows how white text looks on a background with the CIELCh color 49, 110.685, 319.934.

319.934.

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, 110.685, 319.934

Protanopia

49, 73.257, 287.197

Deuteranopia

50, 53.833, 276.210



Tritanopia
49, 32.192, 16.790

Trichromacy



Original Color
49, 110.685, 319.934



Protanomaly
43, 94.132, 300.367



Deuteranomaly
42, 80.817, 298.193



Tritanomaly
46, 58.990, 335.610

Monochromacy



Original Color
49, 110.685, 319.934



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 51.891, 320.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 110.685, 319.934 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, 20, 240)` looks like.

```
.text, #text, p{  
    color:rgb(189, 20, 240)  
}
```

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, 20, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 20, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 110.685, 319.934 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, 20, 240) }
```

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

```
.border{ border-color:rgb(189, 20, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 20, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 20, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 20, 240);  
box-shadow:4px 4px 4px 4px rgb(189, 20,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 110.685, 319.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 20, 240) }
```

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

```
.background{ background-color: rgb(189, 20,  
240) }
```

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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