

Converting Colors

CIELCh(49, 114.903, 319.436)

Have a look what the booklet for
CIELCh(49, 114.903, 319.436)
contains.

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Color

CIELCh(49, 114.883, 319.429)

Conversions

Conversions Part 1

Format	Color
Hex	BD04F6
RGB	189, 4, 246
RGB Percent	74%, 2%, 96%
CMY	0.2583, 0.9824, 0.0348
CMYK	0.23, 0.98, 0.00, 0.03
HSL	286°, 96%, 49%
HSV	286°, 98%, 97%
XYZ	37.7207, 17.5941, 88.6982
YIQ	86.9030, 32.5780, 114.4820

Conversions

Conversions Part 2

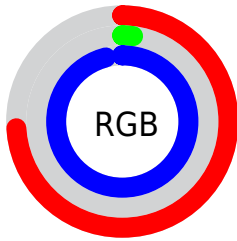
Format	Color
RYB	189, 4, 246
Decimal	12387574
CIELab	49.00, 87.27, -74.72
CIELCh	49, 114.883, 319.429
Yxy	17.5941, 0.2619, 0.1222
Android (android.graphics.Color)	4290577654 (0xFFBD04F6)
YUV	86.9030, 78.4348, 89.5391
Hunter-Lab	41.9453, 87.1177, -96.0140

Details

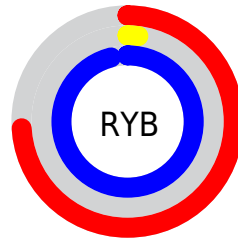
The CIELCh color **49, 114.883, 319.429** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **86, 113.491, 134.282**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 93.683, 326.599**, and **35, 95.480, 316.919** is the 20% darker color. If you saturate the color by 10%, you get **49, 115.365, 319.323**, and if you desaturate by 10%, it is **51, 111.374, 319.946**.

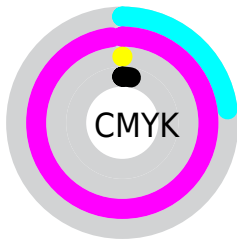
Distribution



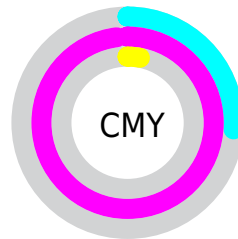
- Red (74%)
- Green (2%)
- Blue (96%)



- Red (74%)
- Yellow (2%)
- Blue (96%)



- Cyan (23%)
- Magenta (98%)
- Yellow (0%)
- Black (3%)





- Cyan (26%)
- Magenta (98%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 114.883, 319.429 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, 114.883, 319.429 by changing the saturation by 10% instead.


 49, 114.883,
319.429


 49, 114.883,
319.429


 100, 114.883,
319.429


 39, 114.883,
319.429


 69, 114.883,
319.429


 29, 114.883,
319.429


 79, 114.883,
319.429


 19, 114.883,
319.429


 89, 114.883,
319.429

 9, 114.883,
319.429

 99, 114.883,
319.429

 0, 114.883,
319.429

 49, 114.883,

 49, 114.883,

319.429

319.429

■ 49, 115.365,
319.323

■ 51, 111.374,
319.946

■ 54, 104.795,
320.202

■ 57, 95.304,
320.222

■ 62, 83.529,
320.058

■ 67, 70.190,
319.764

■ 73, 55.926,
319.386

■ 79, 41.229,
318.961

■ 85, 26.443,
318.515

■ 92, 11.790,
318.061

Harmonies

Complementary

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



49, 114.883, 319.429



86, 113.491, 134.282

Rectangle

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



49, 114.883, 319.429



49, 114.883, 9.429



49, 114.883, 139.429



49, 114.883, 189.429

Sweetspot

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



49, 114.882, 319.429



81, 43.687, 318.999



39, 107.275, 300.643



40, 30.006, 319.184



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, 114.882, 319.429



50, 118.511, 319.308



55, 92.608, 341.380



48, 8.171, 318.121



37, 93.483, 319.462



8, 41.357, 320.534

Inverse Universe

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



52, 88.175, 26.763



54, 91.699, 27.855



85, 106.551, 139.698



48, 5.322, 1.400



39, 71.725, 26.673



9, 29.865, 14.939

Previews

White Background



This preview shows how the CIE LCh color 49, 114.883, 319.429 looks on a white background.

Color Contrast Check

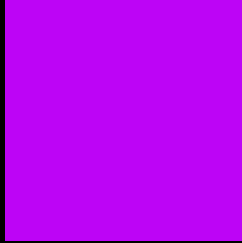
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.883, 319.429 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, 114.883, 319.429

Background



This preview shows how black text looks on a background with the CIELCh color 49, 114.883, 319.429.



This preview shows how white text looks on a background with the CIELCh color 49, 114.883, 319.429.

319.429.

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, 114.883, 319.429

Protanopia

50, 73.189, 287.012

Deuteranopia

50, 53.833, 276.210



Tritanopia
49, 31.280, 16.416

Trichromacy



Original Color
49, 114.883, 319.429



Protanomaly
42, 98.669, 301.426



Deuteranomaly
41, 86.204, 299.806



Tritanomaly
46, 62.541, 334.265

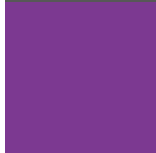
Monochromacy



Original Color
49, 114.883, 319.429



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 56.598, 319.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 114.883, 319.429 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, 4, 246)` looks like.

```
.text, #text, p{  
    color:rgb(189, 4, 246)  
}
```

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, 4, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 4, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 114.883, 319.429 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, 4, 246) }
```

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

```
.border{ border-color:rgb(189, 4, 246) }
```

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

Here you see how a box with a 4 pixel rgb(189, 4, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 4, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 4, 246);  
box-shadow:4px 4px 4px 4px rgb(189, 4,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 114.883, 319.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 4, 246) }
```

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

```
.background{ background-color: rgb(189, 4,  
246) }
```

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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