

Converting Colors

CIELCh(49, 114.565, 319.937)

Have a look what the booklet for
CIELCh(49, 114.565, 319.937)
contains.

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Color

CIELCh(49, 114.262, 319.975)

Conversions

Conversions Part 1

Format	Color
Hex	BF00F4
RGB	191, 0, 244
RGB Percent	75%, 0%, 96%
CMY	0.2512, 1.0000, 0.0433
CMYK	0.22, 1.00, 0.00, 0.04
HSL	287°, 100%, 48%
HSV	287°, 100%, 96%
XYZ	37.7923, 17.5941, 86.9514
YIQ	84.9250, 35.5120, 116.3760

Conversions

Conversions Part 2

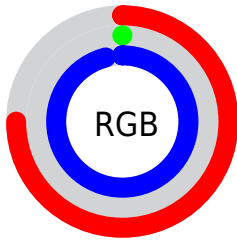
Format	Color
RYB	191, 0, 244
Decimal	12517620
CIELab	49.00, 87.50, -73.48
CIElCh	49, 114.262, 319.975
Yxy	17.5941, 0.2655, 0.1236
Android (android.graphics.Color)	4290707700 (0xFFBF00F4)
YUV	84.9250, 78.4240, 93.0278
Hunter-Lab	41.9453, 87.4226, -93.5448

Details

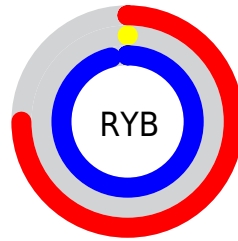
The CIELCh color **49, 114.262, 319.975** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **85, 113.655, 134.609**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 94.239, 327.007**, and **35, 94.399, 317.496** is the 20% darker color. If you saturate the color by 10%, you get **49, 114.244, 319.974**, and if you desaturate by 10%, it is **51, 111.220, 320.486**.

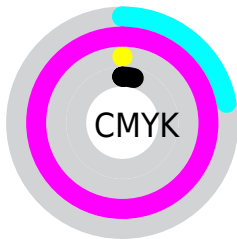
Distribution



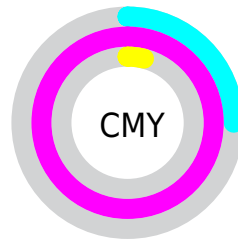
- Red (75%)
- Green (0%)
- Blue (96%)



- Red (75%)
- Yellow (0%)
- Blue (96%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (25%)
- Magenta (100%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 114.262, 319.975 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, 114.262, 319.975 by changing the saturation by 10% instead.


 49, 114.262,
319.975


 49, 114.262,
319.975


 100, 114.262,
319.975


 39, 114.262,
319.975


 69, 114.262,
319.975


 29, 114.262,
319.975


 79, 114.262,
319.975


 19, 114.262,
319.975

 89, 114.262,
319.975

 9, 114.262,
319.975

 99, 114.262,
319.975

 0, 114.262,
319.975

 49, 114.262,

 49, 114.262,

319.975

■ 49, 114.244,
319.974

319.975

■ 51, 111.220,
320.486

■ 53, 105.375,
320.768

■ 57, 96.562,
320.817

■ 61, 85.327,
320.678

■ 66, 72.374,
320.403

■ 71, 58.355,
320.037

■ 77, 43.794,
319.617

■ 83, 29.064,
319.171

■ 90, 14.417,
318.716

Harmonies

Complementary

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



49, 114.262, 319.975



85, 113.655, 134.609

Rectangle

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



49, 114.262, 319.975



49, 114.262, 9.975



49, 114.262, 139.975



49, 114.262, 189.975

Sweetspot

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



49, 114.244, 319.974



80, 45.396, 319.620



37, 110.662, 301.755



40, 30.985, 319.802



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, 114.244, 319.974



51, 118.153, 319.956



55, 90.960, 342.822



48, 8.213, 318.692



37, 93.209, 320.100



8, 41.266, 321.106

Inverse Universe

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



51, 89.653, 29.180



54, 92.827, 29.322



85, 105.706, 139.840



48, 5.283, 2.782



39, 72.566, 28.161



9, 29.933, 15.889

Previews

White Background



This preview shows how the CIE LCh color 49, 114.262, 319.975 looks on a white background.

Color Contrast Check

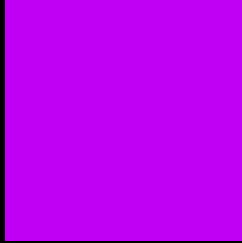
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.262, 319.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

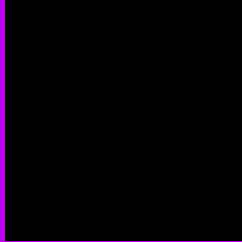
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 114.262, 319.975

Background



This preview shows how black text looks on a background with the CIELCh color 49, 114.262, 319.975.



This preview shows how white text looks on a background with the CIELCh color 49, 114.262, 319.975.

319.975.

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, 114.262, 319.975

Protanopia

50, 73.727, 287.200

Deuteranopia

50, 54.346, 276.569



Tritanopia
49, 32.193, 17.767

Trichromacy



Original Color
49, 114.262, 319.975



Protanomaly
42, 98.734, 301.568



Deuteranomaly
41, 86.899, 300.199



Tritanomaly
46, 63.373, 335.215

Monochromacy



Original Color
49, 114.262, 319.975



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 57.325, 320.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 114.262, 319.975 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(191, 0, 244)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 244)  
}
```

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(191, 0, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 114.262, 319.975 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(191, 0, 244) }
```

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

```
.border{ border-color:rgb(191, 0, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 244);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 114.262, 319.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 244) }
```

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

```
.background{ background-color: rgb(191, 0,  
244) }
```

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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