

Converting Colors

CIELCh(49, 113.014, 320.548)

Have a look what the booklet for
CIELCh(49, 113.014, 320.548)
contains.

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Color

CIELCh(49, 112.952, 320.469)

Conversions

Conversions Part 1

Format	Color
Hex	C001F1
RGB	192, 1, 241
RGB Percent	75%, 0%, 95%
CMY	0.2465, 0.9980, 0.0544
CMYK	0.20, 1.00, 0.00, 0.05
HSL	288°, 100%, 47%
HSV	288°, 100%, 95%
XYZ	37.6752, 17.5941, 84.7339
YIQ	85.4690, 36.7960, 115.1320

Conversions

Conversions Part 2

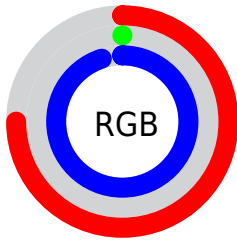
Format	Color
RYB	192, 1, 241
Decimal	12583409
CIELab	49.00, 87.12, -71.89
CIELCh	49, 112.952, 320.469
Yxy	17.5941, 0.2691, 0.1257
Android (android.graphics.Color)	4290773489 (0xFFC001F1)
YUV	85.4690, 76.6768, 93.4277
Hunter-Lab	41.9453, 86.9244, -90.4105

Details

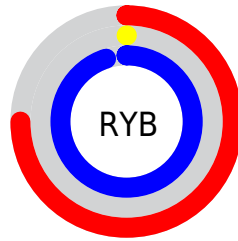
The CIELCh color **49, 112.952, 320.469** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **84, 112.827, 134.758**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 94.300, 327.202**, and **35, 93.417, 317.922** is the 20% darker color. If you saturate the color by 10%, you get **49, 113.005, 320.458**, and if you desaturate by 10%, it is **51, 109.968, 320.950**.

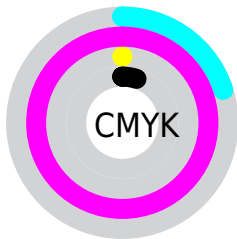
Distribution



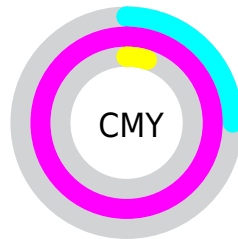
- Red (75%)
- Green (0%)
- Blue (95%)



- Red (75%)
- Yellow (0%)
- Blue (95%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (25%)
- Magenta (100%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 112.952, 320.469 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, 112.952, 320.469 by changing the saturation by 10% instead.


 49, 112.952,
320.469


 49, 112.952,
320.469


 100, 112.952,
320.469

 39, 112.952,
320.469

 69, 112.952,
320.469


 29, 112.952,
320.469


 79, 112.952,
320.469


 19, 112.952,
320.469


 89, 112.952,
320.469

 9, 112.952,
320.469

 99, 112.952,
320.469

 0, 112.952,
320.469

 49, 112.952,

 49, 112.952,

320.469

320.469

■ 49, 113.005,
320.458

■ 51, 109.968,
320.950

■ 53, 104.186,
321.209

■ 56, 95.476,
321.243

■ 61, 84.367,
321.097

■ 66, 71.543,
320.817

■ 71, 57.649,
320.449

■ 77, 43.201,
320.027

■ 83, 28.575,
319.578

■ 89, 14.023,
319.119

Harmonies

Complementary

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



49, 112.952, 320.469



84, 112.827, 134.758

Rectangle

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



49, 112.952, 320.469



49, 112.952, 10.469



49, 112.952, 140.469



49, 112.952, 190.469

Sweetspot

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



49, 112.951, 320.469



81, 45.536, 320.040



36, 111.538, 302.272



40, 31.075, 320.223



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, 112.951, 320.469



52, 117.903, 320.437



54, 89.163, 343.975



47, 8.103, 319.105



37, 92.065, 320.581



8, 39.994, 321.566

Inverse Universe

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



51, 89.520, 30.065



54, 93.678, 30.351



84, 103.522, 140.347



47, 5.166, 3.803



38, 72.423, 29.152



8, 28.992, 15.399

Previews

White Background



This preview shows how the CIE LCh color 49, 112.952, 320.469 looks on a white background.

Color Contrast Check

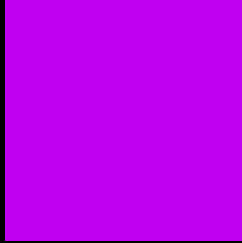
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.952, 320.469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

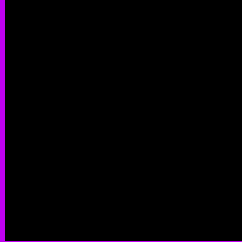
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 112.952, 320.469

Background



This preview shows how black text looks on a background with the CIELCh color 49, 112.952, 320.469.



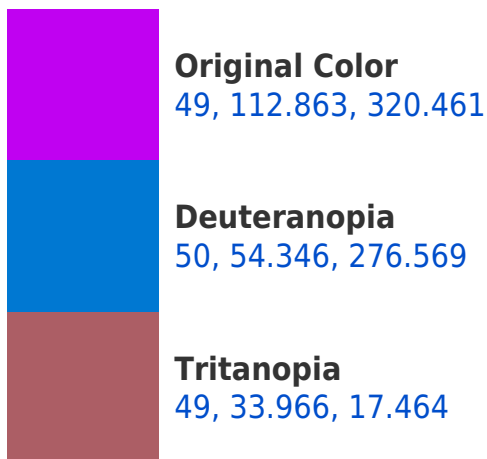
This preview shows how white text looks on a background with the CIELCh color 49, 112.952, 320.469.

320.469.

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



Trichromacy



Original Color
49, 112.863, 320.461

Deuteranomaly
41, 85.718, 300.032

Tritanomaly
46, 63.253, 336.255

Monochromacy



Original Color
49, 112.863, 320.461

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 56.835, 321.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 112.952, 320.469 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(192, 1, 241)` looks like.

```
.text, #text, p{  
    color:rgb(192, 1, 241)  
}
```

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(192, 1, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 1, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 112.952, 320.469 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(192, 1, 241) }
```

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

```
.border{ border-color:rgb(192, 1, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 1, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 1, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 1, 241);  
box-shadow:4px 4px 4px 4px rgb(192, 1,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 112.952, 320.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 1, 241) }
```

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

```
.background{ background-color: rgb(192, 1,  
241) }
```

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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