

Converting Colors

CIELCh(49, 113.341, 320.580)

Have a look what the booklet for
CIELCh(49, 113.341, 320.580)
contains.

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Color

CIELCh(49, 112.882, 320.617)

Conversions

Conversions Part 1

Format	Color
Hex	C100F1
RGB	193, 0, 241
RGB Percent	76%, 0%, 95%
CMY	0.2445, 1.0000, 0.0562
CMYK	0.20, 1.00, 0.00, 0.06
HSL	288°, 100%, 47%
HSV	288°, 100%, 94%
XYZ	37.7157, 17.5941, 84.3618
YIQ	85.1810, 37.6670, 115.8670

Conversions

Conversions Part 2

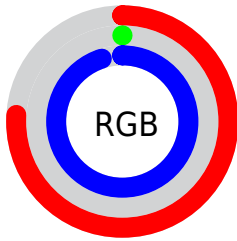
Format	Color
RYB	193, 0, 241
Decimal	12648689
CIELab	49.00, 87.25, -71.62
CIELCh	49, 112.882, 320.617
Yxy	17.5941, 0.2700, 0.1260
Android (android.graphics.Color)	4290838769 (0xFFC100F1)
YUV	85.1810, 76.8188, 94.5573
Hunter-Lab	41.9453, 87.0964, -89.8845

Details

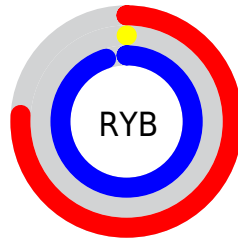
The CIELCh color **49, 112.882, 320.617** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **84, 112.793, 134.811**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 94.362, 327.397**, and **35, 93.327, 318.098** is the 20% darker color. If you saturate the color by 10%, you get **49, 112.767, 320.606**, and if you desaturate by 10%, it is **51, 109.843, 321.081**.

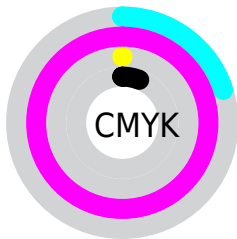
Distribution



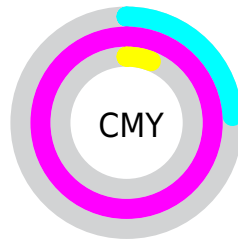
- Red (76%)
- Green (0%)
- Blue (95%)



- Red (76%)
- Yellow (0%)
- Blue (95%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (24%)
- Magenta (100%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 112.882, 320.617 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, 112.882, 320.617 by changing the saturation by 10% instead.


 49, 112.882,
320.617


 49, 112.882,
320.617


 100, 112.882,
320.617


 39, 112.882,
320.617


 69, 112.882,
320.617


 29, 112.882,
320.617


 79, 112.882,
320.617


 19, 112.882,
320.617


 89, 112.882,
320.617

 9, 112.882,
320.617

 99, 112.882,
320.617

 0, 112.882,
320.617

 49, 112.882,

 49, 112.882,

320.617

320.617

■ 49, 112.767,
320.606

■ 51, 109.843,
321.081

■ 53, 104.162,
321.340

■ 56, 95.550,
321.375

■ 61, 84.525,
321.231

■ 65, 71.763,
320.953

■ 71, 57.911,
320.585

■ 77, 43.490,
320.163

■ 83, 28.877,
319.714

■ 89, 14.330,
319.254

Harmonies

Complementary

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



49, 112.882, 320.617



84, 112.793, 134.811

Rectangle

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



49, 112.882, 320.617



49, 112.882, 10.617



49, 112.882, 140.617



49, 112.882, 190.617

Sweetspot

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



49, 112.767, 320.606



81, 45.579, 320.168



35, 113.604, 302.861



40, 31.102, 320.350



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, 112.767, 320.606



52, 117.829, 320.584



53, 88.073, 345.255



47, 8.112, 319.230



37, 92.009, 320.726



8, 39.982, 321.697

Inverse Universe

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



51, 89.762, 30.474



53, 93.940, 30.656



84, 102.323, 140.796



47, 5.159, 4.116



38, 72.619, 29.464



8, 29.004, 15.586

Previews

White Background



This preview shows how the CIE LCh color 49, 112.882, 320.617 looks on a white background.

Color Contrast Check

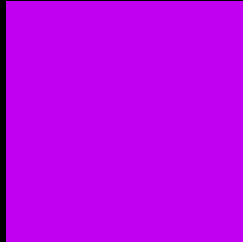
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.882, 320.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

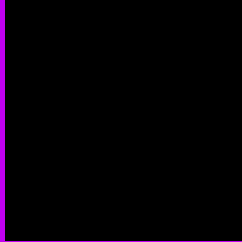
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 112.882, 320.617

Background



This preview shows how black text looks on a background with the CIELCh color 49, 112.882, 320.617.



This preview shows how white text looks on a background with the CIELCh color 49, 112.882, 320.617.

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, 112.882, 320.617

Protanopia

50, 73.727, 287.200

Deuteranopia

50, 53.815, 275.969



Tritanopia
49, 34.396, 17.615

Trichromacy



Original Color
49, 112.882, 320.617



Protanomaly
42, 98.185, 301.612



Deuteranomaly
41, 85.718, 300.032



Tritanomaly
46, 63.389, 336.571

Monochromacy



Original Color
49, 112.882, 320.617



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, 112.882, 320.617 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, 0, 241)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 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(193, 0, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 112.882, 320.617 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, 0, 241) }
```

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

```
.border{ border-color:rgb(193, 0, 241) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 241);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 112.882, 320.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 241) }
```

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

```
.background{ background-color: rgb(193, 0,  
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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