

Converting Colors

CIELCh(50, 116.084, 320.019)

Have a look what the booklet for
CIELCh(50, 116.084, 320.019)
contains.

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Color

CIELCh(50, 116.028, 319.978)

Conversions

Conversions Part 1

Format	Color
Hex	C300F9
RGB	195, 0, 249
RGB Percent	76%, 0%, 98%
CMY	0.2356, 1.0000, 0.0238
CMYK	0.22, 1.00, 0.00, 0.02
HSL	287°, 100%, 49%
HSV	287°, 100%, 98%
XYZ	39.5668, 18.4187, 91.0274
YIQ	86.6910, 36.2910, 118.7790

Conversions

Conversions Part 2

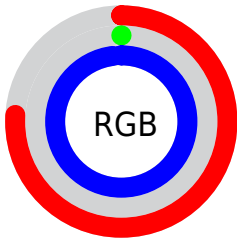
Format	Color
RYB	195, 0, 249
Decimal	12779769
CIELab	50.00, 88.85, -74.62
CIElCh	50, 116.028, 319.978
Yxy	18.4187, 0.2655, 0.1236
Android (android.graphics.Color)	4290969849 (0xFFC300F9)
YUV	86.6910, 80.0183, 94.9870
Hunter-Lab	42.9170, 89.4612, -95.7130

Details

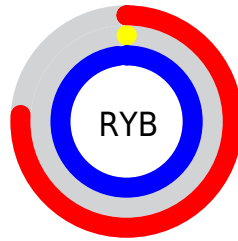
The CIELCh color **50, 116.028, 319.978** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **86, 115.425, 134.623**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.995, 327.578**, and **36, 96.340, 317.392** is the 20% darker color. If you saturate the color by 10%, you get **50, 116.001, 319.976**, and if you desaturate by 10%, it is **52, 112.970, 320.492**.

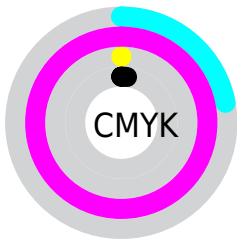
Distribution



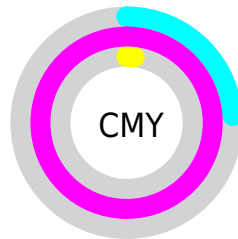
- Red (76%)
- Green (0%)
- Blue (98%)



- Red (76%)
- Yellow (0%)
- Blue (98%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (24%)
- Magenta (100%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 116.028, 319.978 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 50, 116.028, 319.978 by changing the saturation by 10% instead.


 50, 116.028,
319.978


 50, 116.028,
319.978


 100, 116.028,
319.978


 40, 116.028,
319.978


 70, 116.028,
319.978


 30, 116.028,
319.978


 80, 116.028,
319.978


 20, 116.028,
319.978

 90, 116.028,
319.978

 10, 116.028,
319.978

 0, 116.028,
319.978

 50, 116.028,

 50, 116.028,

319.978

319.978

■ 50, 116.001,
319.976

■ 52, 112.970,
320.492

■ 54, 107.060,
320.776

■ 58, 98.126,
320.827

■ 62, 86.723,
320.689

■ 67, 73.565,
320.414

■ 73, 59.320,
320.048

■ 79, 44.519,
319.628

■ 85, 29.546,
319.181

91, 14.656,
318.725

Harmonies

Complementary

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



50, 116.028, 319.978



86, 115.425, 134.623

Rectangle

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



50, 116.028, 319.978



50, 116.028, 9.978



50, 116.028, 139.978



50, 116.028, 189.978

Sweetspot

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



50, 116.001, 319.976



80, 45.399, 319.629



38, 112.476, 301.785



40, 30.987, 319.811



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 116.001, 319.976



51, 118.147, 319.966



56, 92.341, 342.842



49, 8.354, 318.702



38, 94.156, 320.103



9, 42.428, 321.061

Inverse Universe

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



52, 91.102, 29.268



54, 92.845, 29.345



86, 107.386, 139.819



49, 5.373, 2.807



39, 73.353, 28.243



9, 30.910, 16.928

Previews

White Background



This preview shows how the CIELCh color 50, 116.028, 319.978 looks on a white background.

Color Contrast Check

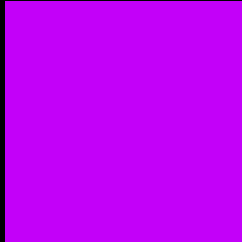
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 116.028, 319.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

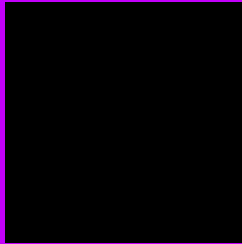
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 116.028, 319.978

Background



This preview shows how black text looks on a background with the CIELCh color 50, 116.028, 319.978.



This preview shows how white text looks on a background with the CIELCh color 50, 116.028, 319.978.

319.978.

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

50, 116.028, 319.978

Protanopia

51, 75.201, 287.389

Deuteranopia

51, 54.799, 276.212



Tritanopia
50, 33.326, 16.192

Trichromacy



Original Color
50, 116.028, 319.978



Protanomaly
43, 100.676, 301.717



Deuteranomaly
42, 88.306, 300.203



Tritanomaly
47, 64.506, 335.381

Monochromacy



Original Color
50, 116.028, 319.978



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 58.335, 320.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 116.028, 319.978 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(195, 0, 249)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 249)  
}
```

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(195, 0, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 116.028, 319.978 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(195, 0, 249) }
```

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

```
.border{ border-color:rgb(195, 0, 249) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 249);  
box-shadow:4px 4px 4px 4px rgb(195, 0,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 116.028, 319.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 249) }
```

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

```
.background{ background-color: rgb(195, 0,  
249) }
```

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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