

Converting Colors

CIELCh(49, 115.336, 316.759)

Have a look what the booklet for
CIELCh(49, 115.336, 316.759)
contains.

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Color

CIELCh(49, 115.447, 316.698)

Conversions

Conversions Part 1

Format	Color
Hex	B21FFE
RGB	178, 31, 254
RGB Percent	70%, 12%, 100%
CMY	0.3020, 0.8786, 0.0040
CMYK	0.30, 0.88, 0.00, 0.00
HSL	280°, 99%, 56%
HSV	280°, 88%, 100%
XYZ	36.7289, 17.5941, 95.2046
YIQ	100.3750, 16.0290, 100.5170

Conversions

Conversions Part 2

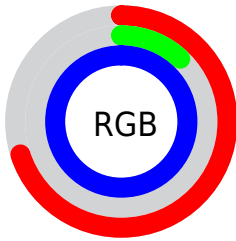
Format	Color
RYB	178, 31, 254
Decimal	11673598
CIELab	49.00, 84.02, -79.18
CIELCh	49, 115.447, 316.698
Yxy	17.5941, 0.2456, 0.1177
Android (android.graphics.Color)	4289863678 (0xFFB21FFE)
YUV	100.3750, 75.7371, 68.0771
Hunter-Lab	41.9453, 82.8974, -105.2108

Details

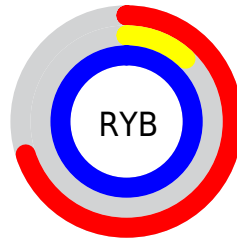
The CIELCh color **49, 115.447, 316.698** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed purple. A complement of this color would be **89, 109.010, 131.609**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 89.812, 324.233**, and **33, 100.298, 314.280** is the 20% darker color. If you saturate the color by 10%, you get **47, 119.763, 316.068**, and if you desaturate by 10%, it is **52, 107.797, 316.994**.

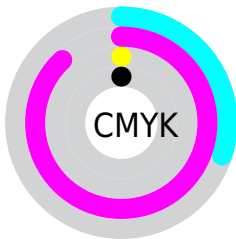
Distribution



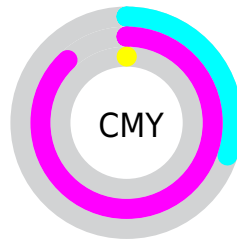
- Red (70%)
- Green (12%)
- Blue (100%)



- Red (70%)
- Yellow (12%)
- Blue (100%)



- Cyan (30%)
- Magenta (88%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (88%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 115.447, 316.698 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, 115.447, 316.698 by changing the saturation by 10% instead.


 49, 115.447,
316.698


 49, 115.447,
316.698


 100, 115.447,
316.698


 39, 115.447,
316.698


 69, 115.447,
316.698


 29, 115.447,
316.698


 79, 115.447,
316.698


 19, 115.447,
316.698


 89, 115.447,
316.698

 9, 115.447,
316.698

 99, 115.447,
316.698

 0, 115.447,
316.698

 49, 115.447,

 49, 115.447,

316.698

316.698

■ 47, 119.763,
316.068

■ 52, 107.797,
316.994

■ 46, 120.475,
315.910

■ 57, 97.219,
317.006

■ 62, 84.513,
316.812

■ 68, 70.480,
316.483

■ 74, 55.760,
316.076

■ 81, 40.803,
315.634

■ 87, 25.902,
315.184

■ 94, 11.236,
314.737

100, 0.509,
109.988

Harmonies

Complementary

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



49, 115.447, 316.698



89, 109.010, 131.609

Rectangle

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



49, 115.447, 316.698



49, 115.447, 6.698



49, 115.447, 136.698



49, 115.447, 186.698

Sweetspot

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



49, 115.446, 316.698



82, 38.220, 315.553



50, 84.141, 291.886



41, 25.974, 315.709



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, 115.446, 316.698



46, 120.845, 315.908



59, 100.679, 334.495



49, 8.222, 314.813



34, 97.220, 316.085



8, 44.366, 317.343

Inverse Universe

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



55, 81.800, 12.067



54, 86.621, 18.570



88, 109.124, 138.956



50, 5.788, 354.044



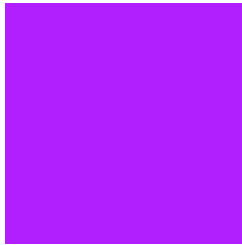
40, 69.459, 17.496



10, 31.329, 9.728

Previews

White Background



This preview shows how the CIE LCh color 49, 115.447, 316.698 looks on a white background.

Color Contrast Check

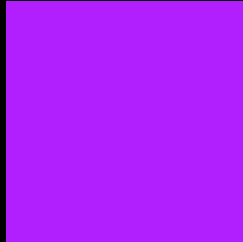
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.447, 316.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

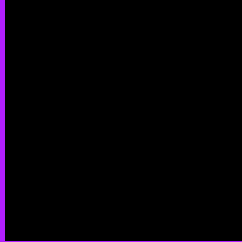
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 115.447, 316.698

Background



This preview shows how black text looks on a background with the CIELCh color 49, 115.447, 316.698.



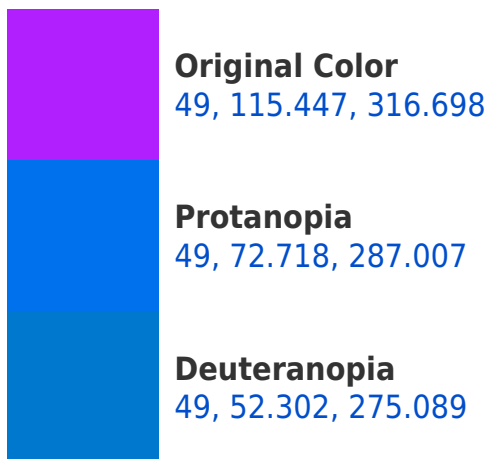
This preview shows how white text looks on a background with the CIELCh color 49, 115.447, 316.698.

316.698.

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





Tritanopia
49, 22.047, 10.247

Trichromacy



Original Color
49, 115.447, 316.698



Protanomaly
44, 93.921, 299.433



Deuteranomaly
43, 80.013, 296.930



Tritanomaly
46, 56.805, 327.129

Monochromacy



Original Color
49, 115.447, 316.698



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 51.406, 316.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 115.447, 316.698 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(178, 31, 254)` looks like.

```
.text, #text, p{  
    color:rgb(178, 31, 254)  
}
```

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(178, 31, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 31, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 115.447, 316.698 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(178, 31, 254) }
```

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

```
.border{ border-color:rgb(178, 31, 254) }
```

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

Here you see how a box with a 4 pixel rgb(178, 31, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 31, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 31, 254);  
box-shadow:4px 4px 4px 4px rgb(178, 31,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 115.447, 316.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 31, 254) }
```

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

```
.background{ background-color: rgb(178, 31,  
254) }
```

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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