

Converting Colors

CIELCh(47, 110.957, 319.987)

Have a look what the booklet for
CIELCh(47, 110.957, 319.987)
contains.

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Color

CIELCh(47, 110.709, 319.967)

Conversions

Conversions Part 1

Format	Color
Hex	B700EA
RGB	183, 0, 234
RGB Percent	72%, 0%, 92%
CMY	0.2822, 0.9993, 0.0822
CMYK	0.22, 1.00, 0.00, 0.08
HSL	287°, 100%, 46%
HSV	287°, 100%, 92%
XYZ	34.3989, 16.0195, 79.1535
YIQ	81.3930, 33.9540, 111.5700

Conversions

Conversions Part 2

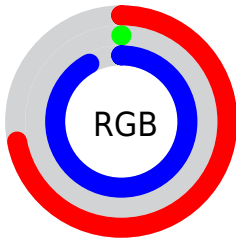
Format	Color
RYB	183, 0, 234
Decimal	11993322
CIELab	47.00, 84.77, -71.21
CIELCh	47, 110.709, 319.967
Yxy	16.0195, 0.2655, 0.1236
Android (android.graphics.Color)	4290183402 (0xFFB700EA)
YUV	81.3930, 75.2353, 89.1093
Hunter-Lab	40.0243, 83.3693, -89.2370

Details

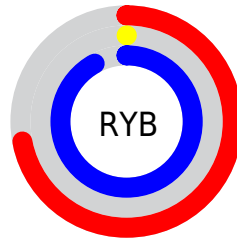
The CIELCh color **47, 110.709, 319.967** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **82, 110.082, 134.575**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 94.662, 325.492**, and **33, 91.125, 317.233** is the 20% darker color. If you saturate the color by 10%, you get **47, 110.726, 319.963**, and if you desaturate by 10%, it is **49, 107.683, 320.471**.

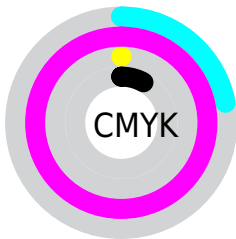
Distribution



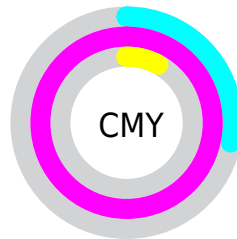
- Red (72%)
- Green (0%)
- Blue (92%)



- Red (72%)
- Yellow (0%)
- Blue (92%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (28%)
- Magenta (100%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 110.709, 319.967 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 47, 110.709, 319.967 by changing the saturation by 10% instead.


 47, 110.709,
319.967


 47, 110.709,
319.967


 100, 110.709,
319.967


 37, 110.709,
319.967


 67, 110.709,
319.967


 27, 110.709,
319.967


 77, 110.709,
319.967


 17, 110.709,
319.967

 87, 110.709,
319.967

 7, 110.709,
319.967

 97, 110.709,
319.967

 0, 110.709,
319.967

 47, 110.709,

 47, 110.709,

319.967

319.967

■ 47, 110.726,
319.963

■ 49, 107.683,
320.471

■ 51, 101.946,
320.747

■ 54, 93.354,
320.791

■ 59, 82.443,
320.649

■ 64, 69.889,
320.373

■ 69, 56.320,
320.006

■ 75, 42.236,
319.587

■ 80, 27.995,
319.142

■ 87, 13.837,
318.687

Harmonies

Complementary

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



47, 110.709, 319.967



82, 110.082, 134.575

Rectangle

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



47, 110.709, 319.967



47, 110.709, 9.967



47, 110.709, 139.967



47, 110.709, 189.967

Sweetspot

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



47, 110.708, 319.967



80, 45.388, 319.596



35, 106.953, 301.673



40, 30.980, 319.778



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 110.708, 319.967



51, 118.167, 319.928



52, 88.190, 342.766



46, 7.929, 318.666



36, 91.309, 320.088



7, 38.622, 321.068

Inverse Universe

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



49, 86.700, 28.943



54, 92.778, 29.261



81, 102.301, 139.897



46, 5.103, 2.719



38, 70.978, 27.978



7, 27.876, 13.632

Previews

White Background



This preview shows how the CIELCh color 47, 110.709, 319.967 looks on a white background.

Color Contrast Check

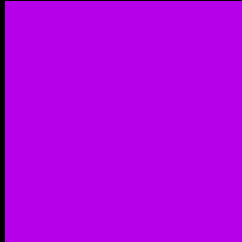
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 110.709, 319.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

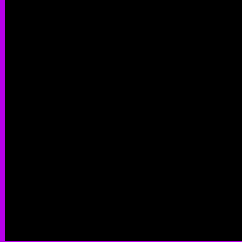
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 110.709, 319.967

Background



This preview shows how black text looks on a background with the CIELCh color 47, 110.709, 319.967.



This preview shows how white text looks on a background with the CIELCh color 47, 110.709, 319.967.

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

47, 110.709, 319.967

Protanopia

48, 71.371, 287.185

Deuteranopia

48, 51.853, 275.700



Tritanopia
47, 31.106, 17.487

Trichromacy



Original Color
47, 110.709, 319.967



Protanomaly
40, 95.929, 301.777



Deuteranomaly
39, 83.318, 299.994



Tritanomaly
44, 60.725, 335.254

Monochromacy



Original Color
47, 110.709, 319.967



Achromatopsia
35, 0.005, 296.813



Achromatomaly
34, 55.239, 320.839

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 110.709, 319.967 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(183, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(183, 0, 234)  
}
```

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(183, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 110.709, 319.967 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(183, 0, 234) }
```

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

```
.border{ border-color:rgb(183, 0, 234) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(183, 0,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 110.709, 319.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 234) }
```

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

```
.background{ background-color: rgb(183, 0,  
234) }
```

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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