

Converting Colors

CIELCh(47, 120.225, 316.705)

Have a look what the booklet for
CIELCh(47, 120.225, 316.705)
contains.

CIELCh(47, 119.868, 316.705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(47, 119.868, 316.705)

Conversions

Conversions Part 1

Format	Color
Hex	AD00FD
RGB	173, 0, 253
RGB Percent	68%, 0%, 99%
CMY	0.3198, 1.0000, 0.0060
CMYK	0.32, 1.00, 0.00, 0.01
HSL	281°, 100%, 50%
HSV	281°, 100%, 99%
XYZ	35.1212, 16.0195, 94.5686
YIQ	80.5690, 21.8950, 115.3590

Conversions

Conversions Part 2

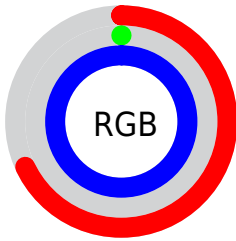
Format	Color
RYB	173, 0, 253
Decimal	11337981
CIELab	47.00, 87.24, -82.20
CIELCh	47, 119.868, 316.705
Yxy	16.0195, 0.2410, 0.1099
Android (android.graphics.Color)	4289528061 (0xFFAD00FD)
YUV	80.5690, 85.0085, 81.0620
Hunter-Lab	40.0243, 86.5907, -112.0721

Details

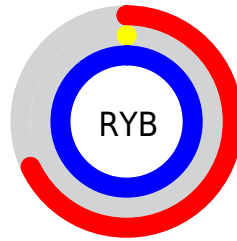
The CIELCh color **47, 119.868, 316.705** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **88, 114.800, 133.108**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 94.690, 323.786**, and **33, 100.502, 313.545** is the 20% darker color. If you saturate the color by 10%, you get **47, 119.696, 316.684**, and if you desaturate by 10%, it is **49, 116.059, 317.343**.

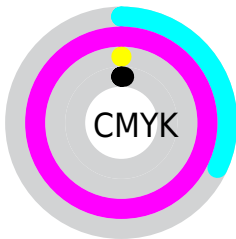
Distribution



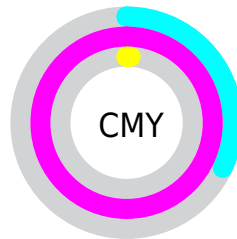
- Red (68%)
- Green (0%)
- Blue (99%)



- Red (68%)
- Yellow (0%)
- Blue (99%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (32%)
- Magenta (100%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 119.868, 316.705 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, 119.868, 316.705 by changing the saturation by 10% instead.


 47, 119.868,
316.705


 47, 119.868,
316.705


 100, 119.868,
316.705


 37, 119.868,
316.705


 67, 119.868,
316.705


 27, 119.868,
316.705


 77, 119.868,
316.705


 17, 119.868,
316.705


 87, 119.868,
316.705

 7, 119.868,
316.705

 97, 119.868,
316.705

 0, 119.868,
316.705

 47, 119.868,

 47, 119.868,

316.705

■ 47, 119.696,
316.684

316.705

■ 49, 116.059,
317.343

■ 52, 109.343,
317.705

■ 56, 99.555,
317.779

■ 61, 87.414,
317.636

■ 67, 73.723,
317.344

■ 73, 59.163,
316.962

■ 79, 44.233,
316.533

■ 86, 29.272,
316.087

■ 93, 14.490,
315.642

Harmonies

Complementary

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



47, 119.868, 316.705



88, 114.800, 133.108

Rectangle

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



47, 119.868, 316.705



47, 119.868, 6.705



47, 119.868, 136.705



47, 119.868, 186.705

Sweetspot

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



47, 119.696, 316.684



80, 44.449, 316.533



43, 101.967, 298.187



40, 30.384, 316.718



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, 119.696, 316.684



47, 120.243, 316.681



58, 99.481, 337.370



49, 8.274, 315.620



35, 96.748, 316.850



8, 44.198, 318.056

Inverse Universe

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



54, 87.193, 20.901



54, 87.599, 20.921



87, 113.869, 137.923



50, 5.711, 355.735



40, 70.172, 19.834



10, 31.402, 11.629

Previews

White Background



This preview shows how the CIE LCh color 47, 119.868, 316.705 looks on a white background.

Color Contrast Check

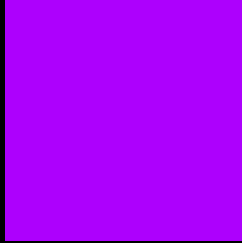
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 119.868, 316.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

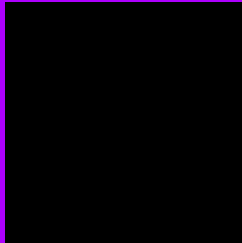
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 119.868, 316.705

Background



This preview shows how black text looks on a background with the CIELCh color 47, 119.868, 316.705.



This preview shows how white text looks on a background with the CIELCh color 47, 119.868, 316.705.

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, 119.537, 316.668

Protanopia

48, 70.829, 286.988

Deuteranopia

48, 50.828, 274.917



Tritanopia
47, 21.312, 9.711

Trichromacy



Original Color
47, 119.537, 316.668



Protanomaly
40, 99.682, 301.716



Deuteranomaly
40, 86.669, 299.904



Tritanomaly
43, 62.562, 326.463

Monochromacy



Original Color
47, 119.537, 316.668



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 58.595, 317.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 119.868, 316.705 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(173, 0, 253)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 253)  
}
```

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(173, 0, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 119.868, 316.705 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(173, 0, 253) }
```

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

```
.border{ border-color:rgb(173, 0, 253) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 119.868, 316.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 253) }
```

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

```
.background{ background-color: rgb(173, 0,  
253) }
```

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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