

Converting Colors

CIELCh(48, 117.140, 315.867)

Have a look what the booklet for
CIELCh(48, 117.140, 315.867)
contains.

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Color

CIELCh(48, 116.946, 315.913)

Conversions

Conversions Part 1

Format	Color
Hex	AC1CFF
RGB	172, 28, 255
RGB Percent	67%, 11%, 100%
CMY	0.3259, 0.8909, 0.0004
CMYK	0.33, 0.89, 0.00, 0.00
HSL	278°, 100%, 55%
HSV	278°, 89%, 100%
XYZ	35.4355, 16.7945, 95.8968
YIQ	96.9340, 12.9570, 101.1250

Conversions

Conversions Part 2

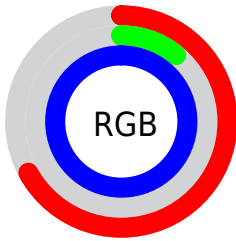
Format	Color
R_{YB}	172, 28, 255
Decimal	11279615
CIE _{Lab}	48.00, 84.00, -81.37
CIE _{LCh}	48, 116.946, 315.913
Yxy	16.7945, 0.2392, 0.1134
Android (android.graphics.Color)	4289469695 (0xFFAC1CFF)
YUV	96.9340, 77.9265, 65.8329
Hunter-Lab	40.9810, 82.6285, -110.0536

Details

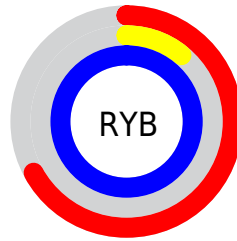
The CIELCh color **48, 116.946, 315.913** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **89, 109.310, 131.090**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 90.490, 323.289**, and **33, 101.402, 313.388** is the 20% darker color. If you saturate the color by 10%, you get **46, 121.111, 315.239**, and if you desaturate by 10%, it is **51, 109.495, 316.248**.

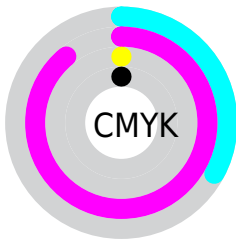
Distribution



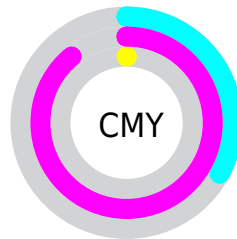
- Red (67%)
- Green (11%)
- Blue (100%)



- Red (67%)
- Yellow (11%)
- Blue (100%)



- Cyan (33%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (89%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 116.946, 315.913 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 48, 116.946, 315.913 by changing the saturation by 10% instead.


 48, 116.946,
315.913


 48, 116.946,
315.913


 100, 116.946,
315.913


 38, 116.946,
315.913


 68, 116.946,
315.913


 28, 116.946,
315.913


 78, 116.946,
315.913


 18, 116.946,
315.913


 88, 116.946,
315.913

 8, 116.946,
315.913

 98, 116.946,
315.913

 0, 116.946,
315.913

 48, 116.946,

 48, 116.946,

315.913

315.913

■ 46, 121.111,
315.239

■ 51, 109.495,
316.248

■ 45, 121.424,
315.172

■ 56, 99.026,
316.280

■ 61, 86.361,
316.091

■ 67, 72.333,
315.759

■ 73, 57.602,
315.346

■ 80, 42.632,
314.896

■ 87, 27.721,
314.439

■ 94, 13.049,
313.990

100, 0.039,
108.208

Harmonies

Complementary

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



48, 116.946, 315.913



89, 109.310, 131.090

Rectangle

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



48, 116.946, 315.913



48, 116.946, 5.913



48, 116.946, 135.913



48, 116.946, 185.913

Sweetspot

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



48, 116.945, 315.913



81, 39.522, 314.801



51, 83.383, 291.272



41, 26.701, 314.957



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 116.945, 315.913



45, 121.461, 315.172



59, 102.533, 333.775



49, 8.172, 314.009



34, 97.703, 315.355



7, 44.507, 316.642

Inverse Universe

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



55, 82.281, 10.471



54, 85.824, 16.196



88, 111.195, 138.420



50, 5.868, 352.421



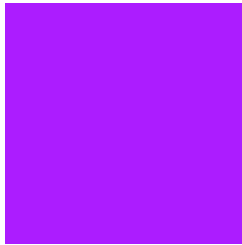
40, 68.889, 15.143



10, 31.288, 7.726

Previews

White Background



This preview shows how the CIELCh color 48, 116.946, 315.913 looks on a white background.

Color Contrast Check

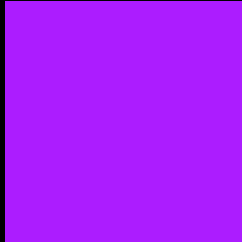
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 116.946, 315.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

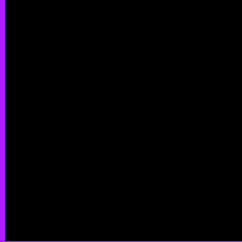
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 116.946, 315.913

Background



This preview shows how black text looks on a background with the CIELCh color 48, 116.946, 315.913.



This preview shows how white text looks on a background with the CIELCh color 48, 116.946, 315.913.

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

48, 116.946, 315.913

Protanopia

48, 71.844, 287.188

Deuteranopia

48, 51.325, 275.060



Tritanopia
48, 19.111, 7.868

Trichromacy



Original Color
48, 116.946, 315.913



Protanomaly
43, 94.205, 299.734



Deuteranomaly
42, 80.857, 297.363



Tritanomaly
45, 57.086, 324.392

Monochromacy



Original Color
48, 116.946, 315.913



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 52.021, 315.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 116.946, 315.913 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(172, 28, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 28, 255)  
}
```

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(172, 28, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 28, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 116.946, 315.913 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(172, 28, 255) }
```

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

```
.border{ border-color:rgb(172, 28, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 28, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 28, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 28, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 28,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 116.946, 315.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 28, 255) }
```

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

```
.background{ background-color: rgb(172, 28,  
255) }
```

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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