

Converting Colors

CIELCh(47, 119.487, 315.465)

Have a look what the booklet for
CIELCh(47, 119.487, 315.465)
contains.

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Color

CIELCh(47, 118.909, 315.502)

Conversions

Conversions Part 1

Format	Color
Hex	A714FF
RGB	167, 20, 255
RGB Percent	65%, 8%, 100%
CMY	0.3432, 0.9214, 0.0000
CMYK	0.34, 0.92, 0.00, 0.00
HSL	278°, 100%, 54%
HSV	278°, 92%, 100%
XYZ	34.4127, 16.0195, 96.2757
YIQ	90.7430, 12.1770, 104.2490

Conversions

Conversions Part 2

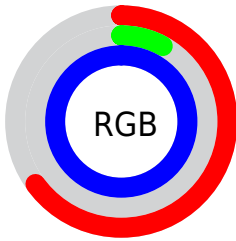
Format	Color
RYB	167, 20, 255
Decimal	10949887
CIELab	47.00, 84.81, -83.34
CIELCh	47, 118.909, 315.502
Yxy	16.0195, 0.2346, 0.1092
Android (android.graphics.Color)	4289139967 (0xFFA714FF)
YUV	90.7430, 80.9787, 66.8774
Hunter-Lab	40.0243, 83.4310, -114.6010

Details

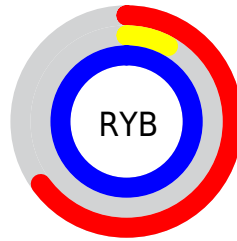
The CIELCh color $47, 118.909, 315.502$ is a dark color, and the websafe version is hex $9900FF$. The color can be described as middle washed purple. A complement of this color would be $89, 110.680, 131.158$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $63, 92.153, 322.448$, and $32, 102.070, 312.624$ is the 20% darker color. If you saturate the color by 10%, you get $45, 121.638, 314.969$, and if you desaturate by 10%, it is $50, 112.240, 315.980$.

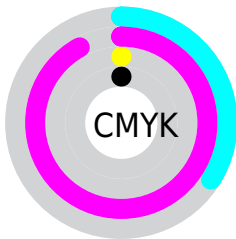
Distribution



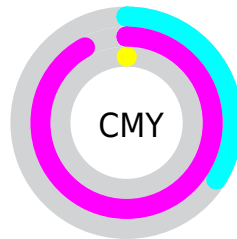
- Red (65%)
- Green (8%)
- Blue (100%)



- Red (65%)
- Yellow (8%)
- Blue (100%)



- Cyan (34%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (92%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 118.909, 315.502 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, 118.909, 315.502 by changing the saturation by 10% instead.


 47, 118.909,
315.502


 47, 118.909,
315.502


 100, 118.909,
315.502


 37, 118.909,
315.502


 67, 118.909,
315.502


 27, 118.909,
315.502


 77, 118.909,
315.502


 17, 118.909,
315.502


 87, 118.909,
315.502

 7, 118.909,
315.502

 97, 118.909,
315.502

 0, 118.909,
315.502

 47, 118.909,

 47, 118.909,

315.502

■ 45, 121.638,
314.969

315.502

■ 50, 112.240,
315.980

■ 54, 102.552,
316.092

■ 59, 90.413,
315.955

■ 65, 76.687,
315.654

■ 71, 62.095,
315.256

■ 78, 47.156,
314.810

■ 85, 32.211,
314.350

■ 92, 17.468,
313.897

Harmonies

Complementary

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



47, 118.909, 315.502



89, 110.680, 131.158

Rectangle

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



47, 118.909, 315.502



47, 118.909, 5.502



47, 118.909, 135.502



47, 118.909, 185.502

Sweetspot

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



47, 118.710, 315.539



81, 40.962, 314.620



50, 84.093, 291.320



40, 28.369, 314.818



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, 118.710, 315.539



45, 121.638, 314.969



59, 104.496, 333.161



49, 8.158, 313.779



33, 97.843, 315.154



7, 44.543, 316.444

Inverse Universe

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



55, 83.313, 11.340



54, 85.630, 15.516



88, 113.836, 137.716



50, 5.892, 351.970



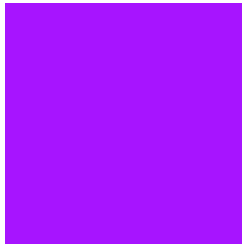
41, 68.753, 14.470



10, 31.284, 7.136

Previews

White Background



This preview shows how the CIELCh color 47, 118.909, 315.502 looks on a white background.

Color Contrast Check

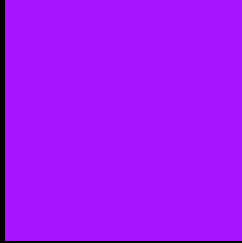
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.909, 315.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

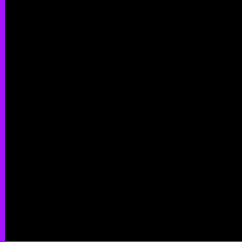
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 118.909, 315.502

Background



This preview shows how black text looks on a background with the CIELCh color 47, 118.909, 315.502.



This preview shows how white text looks on a background with the CIELCh color 47, 118.909, 315.502.

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, 118.760, 315.482

Protanopia

47, 70.354, 286.983

Deuteranopia

47, 49.821, 274.361



Tritanopia
47, 16.970, 7.719

Trichromacy



Original Color
47, 118.760, 315.482



Protanomaly
42, 95.090, 300.235



Deuteranomaly
41, 81.872, 298.157



Tritanomaly
44, 57.443, 323.424

Monochromacy



Original Color
47, 118.760, 315.482



Achromatopsia
39, 0.005, 296.813



Achromatomaly
38, 54.592, 315.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 118.909, 315.502 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(167, 20, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 20, 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(167, 20, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 20, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 118.909, 315.502 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(167, 20, 255) }
```

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

```
.border{ border-color:rgb(167, 20, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 20, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 20, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 20, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 20,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 118.909, 315.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 20, 255) }
```

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

```
.background{ background-color: rgb(167, 20,  
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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