

Converting Colors

CIELCh(46, 120.211, 315.264)

Have a look what the booklet for
CIELCh(46, 120.211, 315.264)
contains.

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Color

CIELCh(46, 120.272, 315.294)

Conversions

Conversions Part 1

Format	Color
Hex	A409FF
RGB	164, 9, 255
RGB Percent	64%, 4%, 100%
CMY	0.3578, 0.9641, 0.0010
CMYK	0.36, 0.96, 0.00, 0.00
HSL	278°, 100%, 52%
HSV	278°, 96%, 100%
XYZ	33.3676, 15.2687, 95.5883
YIQ	83.3890, 13.4140, 109.3660

Conversions

Conversions Part 2

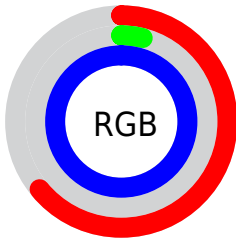
Format	Color
RYB	164, 9, 255
Decimal	10750463
CIELab	46.00, 85.48, -84.61
CIElCh	46, 120.272, 315.294
Yxy	15.2687, 0.2314, 0.1059
Android (android.graphics.Color)	4288940543 (0xFFA409FF)
YUV	83.3890, 84.6042, 70.6958
Hunter-Lab	39.0751, 84.0459, -117.6868

Details

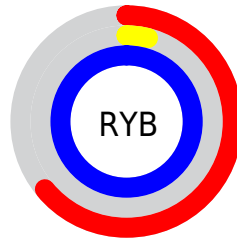
The CIELCh color **46, 120.272, 315.294** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **89, 112.400, 131.619**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 93.900, 322.026**, and **31, 102.519, 312.140** is the 20% darker color. If you saturate the color by 10%, you get **45, 121.499, 315.027**, and if you desaturate by 10%, it is **49, 115.309, 315.893**.

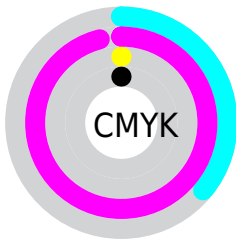
Distribution



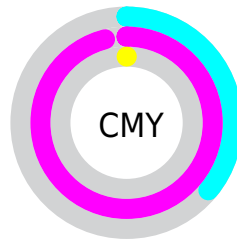
- Red (64%)
- Green (4%)
- Blue (100%)



- Red (64%)
- Yellow (4%)
- Blue (100%)



- Cyan (36%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (96%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 120.272, 315.294 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 46, 120.272, 315.294 by changing the saturation by 10% instead.


 46, 120.272,
315.294


 46, 120.272,
315.294


 100, 120.272,
315.294


 36, 120.272,
315.294


 66, 120.272,
315.294


 26, 120.272,
315.294


 76, 120.272,
315.294


 16, 120.272,
315.294


 86, 120.272,
315.294

 6, 120.272,
315.294

 96, 120.272,
315.294

 0, 120.272,
315.294

 46, 120.272,

 46, 120.272,

315.294

315.294

■ 45, 121.499,
315.027

■ 49, 115.309,
315.893

■ 52, 106.942,
316.137

■ 57, 95.764,
316.097

■ 63, 82.637,
315.859

■ 69, 68.356,
315.496

■ 75, 53.527,
315.067

■ 82, 38.562,
314.611

■ 89, 23.721,
314.154

Harmonies

Complementary

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



46, 120.272, 315.294



89, 112.400, 131.619

Rectangle

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



46, 120.272, 315.294



46, 120.272, 5.294



46, 120.272, 135.294



46, 120.272, 185.294

Sweetspot

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



46, 120.272, 315.294



80, 42.475, 314.730



48, 88.265, 293.000



40, 29.232, 314.925



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 120.272, 315.294



45, 121.588, 315.026



59, 104.933, 333.406



49, 8.162, 313.844



34, 97.803, 315.210



7, 44.533, 316.500

Inverse Universe

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



54, 84.552, 13.774



54, 85.683, 15.708



88, 115.767, 137.232



50, 5.885, 352.096



41, 68.790, 14.660



10, 31.285, 7.303

Previews

White Background



This preview shows how the CIE LCh color 46, 120.272, 315.294 looks on a white background.

Color Contrast Check

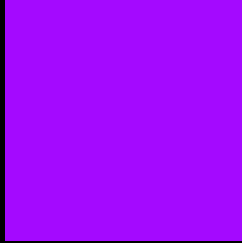
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 120.272, 315.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

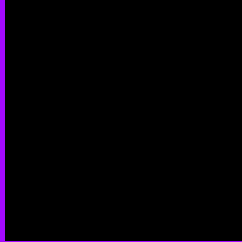
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 120.272, 315.294

Background



This preview shows how black text looks on a background with the CIELCh color 46, 120.272, 315.294.



This preview shows how white text looks on a background with the CIELCh color 46, 120.272, 315.294.

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


46, 120.369, 315.307

Protanopia

46, 69.403, 286.973

Deuteranopia

46, 48.822, 274.046



Tritanopia
46, 15.745, 6.394

Trichromacy



Original Color
46, 120.369, 315.307



Protanomaly
40, 97.048, 301.029



Deuteranomaly
39, 83.951, 299.159



Tritanomaly
42, 59.993, 322.397

Monochromacy



Original Color
46, 120.369, 315.307



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 56.676, 315.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 120.272, 315.294 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(164, 9, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 9, 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(164, 9, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 9, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 120.272, 315.294 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(164, 9, 255) }
```

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

```
.border{ border-color:rgb(164, 9, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 9, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 9, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 9, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 9,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 120.272, 315.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 9, 255) }
```

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

```
.background{ background-color: rgb(164, 9,  
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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