

Converting Colors

CIELCh(45, 121.797, 314.791)

Have a look what the booklet for
CIELCh(45, 121.797, 314.791)
contains.

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Color

CIELCh(45, 121.840, 314.743)

Conversions

Conversions Part 1

Format	Color
Hex	9E01FF
RGB	158, 1, 255
RGB Percent	62%, 0%, 100%
CMY	0.3795, 0.9973, 0.0000
CMYK	0.38, 1.00, 0.00, 0.00
HSL	277°, 100%, 50%
HSV	277°, 100%, 100%
XYZ	32.2385, 14.5417, 95.8997
YIQ	76.8990, 12.0380, 112.2780

Conversions

Conversions Part 2

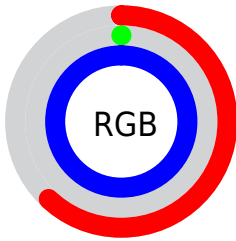
Format	Color
RYB	158, 1, 255
Decimal	10355199
CIELab	45.00, 85.77, -86.54
CIELCh	45, 121.840, 314.743
Yxy	14.5417, 0.2260, 0.1019
Android (android.graphics.Color)	4288545279 (0xFF9E01FF)
YUV	76.8990, 87.8038, 71.1256
Hunter-Lab	38.1336, 84.1720, -122.4110

Details

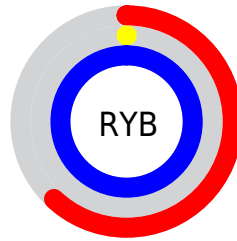
The CIELCh color **45, 121.840, 314.743** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **89, 113.363, 131.713**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 95.095, 321.016**, and **31, 103.196, 311.451** is the 20% darker color. If you saturate the color by 10%, you get **45, 121.844, 314.739**, and if you desaturate by 10%, it is **47, 117.621, 315.451**.

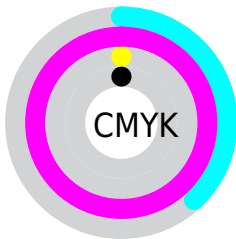
Distribution



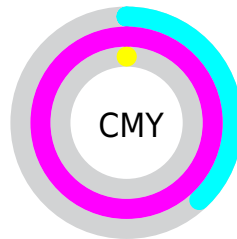
- Red (62%)
- Green (0%)
- Blue (100%)



- Red (62%)
- Yellow (0%)
- Blue (100%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 121.840, 314.743 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 45, 121.840, 314.743 by changing the saturation by 10% instead.


 45, 121.840,
314.743


 45, 121.840,
314.743


 100, 121.840,
314.743


 35, 121.840,
314.743


 65, 121.840,
314.743


 25, 121.840,
314.743


 75, 121.840,
314.743


 15, 121.840,
314.743

 85, 121.840,
314.743

 5, 121.840,
314.743

 95, 121.840,
314.743

 0, 121.840,
314.743

 45, 121.840,

 45, 121.840,

314.743

314.743

■ 45, 121.844,
314.739

■ 47, 117.621,
315.451

■ 51, 110.258,
315.804

■ 55, 99.835,
315.842

■ 61, 87.188,
315.652

■ 66, 73.166,
315.316

■ 73, 58.440,
314.897

■ 79, 43.480,
314.441

■ 86, 28.584,
313.979

■ 93, 13.932,
313.526

Harmonies

Complementary

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



45, 121.840, 314.743



89, 113.363, 131.713

Rectangle

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



45, 121.840, 314.743



45, 121.840, 4.743



45, 121.840, 134.743



45, 121.840, 184.743

Sweetspot

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



45, 121.747, 314.759



79, 43.891, 314.454



47, 91.641, 294.249



39, 30.032, 314.648



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 121.747, 314.759



45, 121.844, 314.739



59, 105.256, 333.600



49, 8.143, 313.516



33, 98.004, 314.925



7, 44.581, 316.217

Inverse Universe

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



54, 85.344, 14.590



54, 85.425, 14.735



88, 117.140, 136.921



50, 5.919, 351.458



41, 68.611, 13.698



10, 31.282, 6.452

Previews

White Background



This preview shows how the CIE LCh color 45, 121.840, 314.743 looks on a white background.

Color Contrast Check

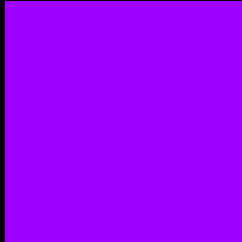
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 121.840, 314.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

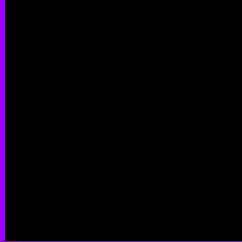
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 121.840, 314.743

Background



This preview shows how black text looks on a background with the CIELCh color 45, 121.840, 314.743.



This preview shows how white text looks on a background with the CIELCh color 45, 121.840, 314.743.

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

45, 121.740, 314.729

Protanopia

46, 68.449, 286.963

Deuteranopia

46, 47.820, 273.716



Tritanopia
45, 12.865, 2.384

Trichromacy



Original Color
45, 121.740, 314.729

Protanomaly
39, 98.467, 301.675

Deuteranomaly
38, 84.868, 299.731

Tritanomaly
41, 61.306, 320.671

Monochromacy



Original Color
45, 121.740, 314.729

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 59.097, 315.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 121.840, 314.743 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(158, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 1, 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(158, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 1, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 121.840, 314.743 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(158, 1, 255) }
```

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

```
.border{ border-color:rgb(158, 1, 255) }
```

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

Here you see how a box with a 4 pixel rgb(158, 1, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 1,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 121.840, 314.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 1, 255) }
```

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

```
.background{ background-color: rgb(158, 1,  
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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