

Converting Colors

CIELCh(45, 121.639, 314.694)

Have a look what the booklet for
CIELCh(45, 121.639, 314.694)
contains.

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Color

CIELCh(45, 121.640, 314.715)

Conversions

Conversions Part 1

Format	Color
Hex	9E02FF
RGB	158, 2, 255
RGB Percent	62%, 1%, 100%
CMY	0.3802, 0.9917, 0.0000
CMYK	0.38, 0.99, 0.00, 0.00
HSL	277°, 100%, 50%
HSV	277°, 99%, 100%
XYZ	32.1878, 14.5417, 95.7494
YIQ	77.4860, 11.7630, 111.7550

Conversions

Conversions Part 2

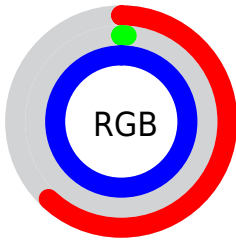
Format	Color
RYB	158, 2, 255
Decimal	10355455
CIELab	45.00, 85.58, -86.44
CIELCh	45, 121.640, 314.715
Yxy	14.5417, 0.2259, 0.1021
Android (android.graphics.Color)	4288545535 (0xFF9E02FF)
YUV	77.4860, 87.5144, 70.6108
Hunter-Lab	38.1336, 83.9345, -122.1773

Details

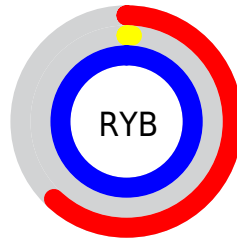
The CIELCh color **45, 121.640, 314.715** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **89, 113.077, 131.591**, and the grayscale version is **33, 0.005, 296.813**.

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, 121.917, 314.658**, and if you desaturate by 10%, it is **47, 117.356, 315.399**.

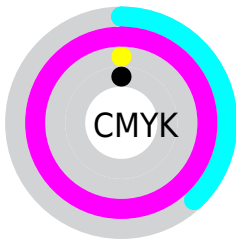
Distribution



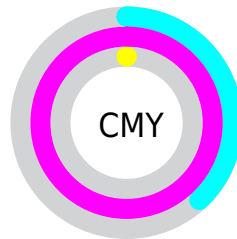
- Red (62%)
- Green (1%)
- Blue (100%)



- Red (62%)
- Yellow (1%)
- Blue (100%)



- Cyan (38%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (99%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 121.640, 314.715 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, 121.640, 314.715 by changing the saturation by 10% instead.


 45, 121.640,
314.715


 45, 121.640,
314.715


 100, 121.640,
314.715


 35, 121.640,
314.715


 65, 121.640,
314.715


 25, 121.640,
314.715


 75, 121.640,
314.715


 15, 121.640,
314.715


 85, 121.640,
314.715

 5, 121.640,
314.715

 95, 121.640,
314.715

 0, 121.640,
314.715

 45, 121.640,

 45, 121.640,

314.715

314.715

■ 45, 121.917,
314.658

■ 47, 117.356,
315.399

■ 51, 109.783,
315.732

■ 55, 99.189,
315.753

■ 61, 86.428,
315.550

■ 67, 72.340,
315.205

■ 73, 57.588,
314.781

■ 80, 42.627,
314.322

■ 87, 27.747,
313.859

94, 13.120,
313.407

Harmonies

Complementary

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



45, 121.640, 314.715



89, 113.077, 131.591

Rectangle

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



45, 121.640, 314.715



45, 121.640, 4.715



45, 121.640, 134.715



45, 121.640, 184.715

Sweetspot

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



45, 121.624, 314.718



79, 43.867, 314.361



48, 88.448, 292.924



39, 30.017, 314.556



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, 121.624, 314.718



45, 121.917, 314.658



59, 106.611, 332.718



49, 8.137, 313.422



33, 98.062, 314.844



7, 44.594, 316.136

Inverse Universe

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



54, 85.119, 14.018



54, 85.357, 14.454



88, 117.505, 136.768



50, 5.929, 351.276



41, 68.563, 13.421



10, 31.283, 6.207

Previews

White Background



This preview shows how the CIELCh color 45, 121.640, 314.715 looks on a white background.

Color Contrast Check

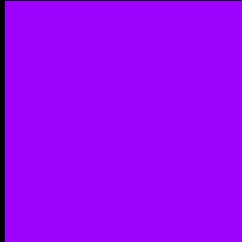
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.640, 314.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

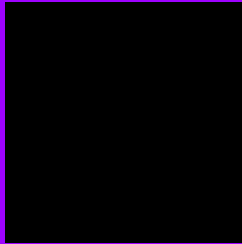
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 121.640, 314.715

Background



This preview shows how black text looks on a background with the CIELCh color 45, 121.640, 314.715.



This preview shows how white text looks on a background with the CIELCh color 45, 121.640, 314.715.

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, 121.640, 314.715

Protanopia

46, 67.902, 286.754

Deuteranopia

46, 47.820, 273.716



Tritanopia
45, 12.461, 1.679

Trichromacy



Original Color
45, 121.640, 314.715

Protanomaly
39, 97.399, 301.389

Deuteranomaly
38, 84.893, 299.640

Tritanomaly
41, 61.251, 320.350

Monochromacy



Original Color
45, 121.640, 314.715

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 58.521, 315.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 121.640, 314.715 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, 2, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 2, 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, 2, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 45, 121.640, 314.715 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, 2, 255) }
```

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

```
.border{ border-color:rgb(158, 2, 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, 2, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 2, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 2, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 2,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 121.640, 314.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 2, 255) }
```

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

```
.background{ background-color: rgb(158, 2,  
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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