

Converting Colors

CIELCh(45, 121.612, 314.998)

Have a look what the booklet for
CIELCh(45, 121.612, 314.998)
contains.

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Color

CIELCh(45, 121.313, 314.928)

Conversions

Conversions Part 1

Format	Color
Hex	9F00FE
RGB	159, 0, 254
RGB Percent	62%, 0%, 100%
CMY	0.3762, 0.9992, 0.0037
CMYK	0.37, 1.00, 0.00, 0.00
HSL	278°, 100%, 50%
HSV	278°, 100%, 100%
XYZ	32.2127, 14.5417, 94.9268
YIQ	76.4970, 13.2300, 112.7020

Conversions

Conversions Part 2

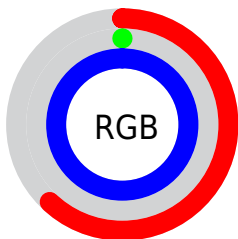
Format	Color
R_{YB}	159, 0, 254
Decimal	10420478
CIE _{Lab}	45.00, 85.67, -85.89
CIE _{LCh}	45, 121.313, 314.928
Yxy	14.5417, 0.2274, 0.1026
Android (android.graphics.Color)	4288610558 (0xFF9F00FE)
YUV	76.4970, 87.5090, 72.3551
Hunter-Lab	38.1336, 84.0510, -120.8984

Details

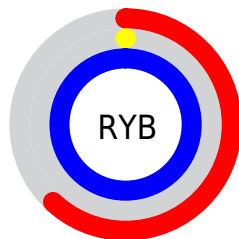
The CIELCh color **45, 121.313, 314.928** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **89, 113.307, 131.877**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 95.120, 321.204**, and **31, 102.633, 311.622** is the 20% darker color. If you saturate the color by 10%, you get **45, 121.340, 314.923**, and if you desaturate by 10%, it is **47, 117.274, 315.622**.

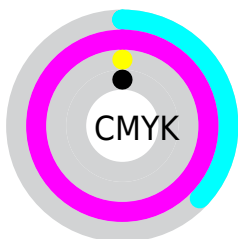
Distribution



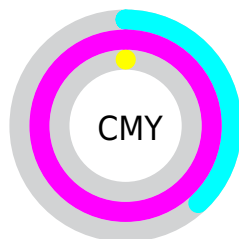
- Red (62%)
- Green (0%)
- Blue (100%)



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



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 121.313, 314.928 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, 121.313, 314.928 by changing the saturation by 10% instead.


 45, 121.313,
314.928


 45, 121.313,
314.928


 100, 121.313,
314.928


 35, 121.313,
314.928


 65, 121.313,
314.928


 25, 121.313,
314.928


 75, 121.313,
314.928


 15, 121.313,
314.928


 85, 121.313,
314.928

 5, 121.313,
314.928

 95, 121.313,
314.928

 0, 121.313,
314.928

 45, 121.313,

 45, 121.313,

314.928

314.928

■ 45, 121.340,
314.923

■ 47, 117.274,
315.622

■ 51, 110.048,
315.983

■ 55, 99.755,
316.031

■ 60, 87.219,
315.849

■ 66, 73.280,
315.520

■ 73, 58.615,
315.107

■ 79, 43.697,
314.655

■ 86, 28.830,
314.195

■ 93, 14.198,
313.743

Harmonies

Complementary

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



45, 121.313, 314.928



89, 113.307, 131.877

Rectangle

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



45, 121.313, 314.928



45, 121.313, 4.928



45, 121.313, 134.928



45, 121.313, 184.928

Sweetspot

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



45, 121.313, 314.928



79, 43.943, 314.658



47, 91.563, 294.312



39, 30.064, 314.851



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, 121.313, 314.928



45, 121.681, 314.921



59, 104.979, 333.610



49, 8.155, 313.725



33, 97.876, 315.106



7, 44.551, 316.397

Inverse Universe

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



54, 85.320, 15.301



54, 85.586, 15.354



87, 116.877, 136.907



50, 5.897, 351.863



41, 68.722, 14.309



10, 31.283, 6.994

Previews

White Background



This preview shows how the CIELCh color 45, 121.313, 314.928 looks on a white background.

Color Contrast Check

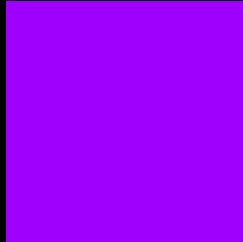
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.313, 314.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

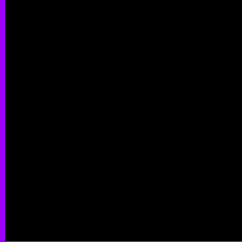
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 121.313, 314.928

Background



This preview shows how black text looks on a background with the CIELCh color 45, 121.313, 314.928.



This preview shows how white text looks on a background with the CIELCh color 45, 121.313, 314.928.

314.928.

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, 121.313, 314.928

Protanopia

46, 68.449, 286.963

Deuteranopia

46, 48.331, 274.151



Tritanopia
45, 13.851, 1.335

Trichromacy



Original Color
45, 121.313, 314.928



Protanomaly
39, 98.467, 301.675



Deuteranomaly
38, 85.410, 299.789



Tritanomaly
41, 61.443, 321.320

Monochromacy



Original Color
45, 121.313, 314.928



Achromatopsia
33, 0.005, 296.813



Achromatomaly
32, 58.575, 316.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 121.313, 314.928 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(159, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(159, 0, 254)  
}
```

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(159, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 121.313, 314.928 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(159, 0, 254) }
```

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

```
.border{ border-color:rgb(159, 0, 254) }
```

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

Here you see how a box with a 4 pixel rgb(159, 0, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(159, 0,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 121.313, 314.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 254) }
```

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

```
.background{ background-color: rgb(159, 0,  
254) }
```

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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