

Converting Colors

CIELCh(45, 119.003, 314.037)

Have a look what the booklet for
CIELCh(45, 119.003, 314.037)
contains.

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Color

CIELCh(45, 118.896, 314.073)

Conversions

Conversions Part 1

Format	Color
Hex	9A15FD
RGB	154, 21, 253
RGB Percent	60%, 8%, 99%
CMY	0.3953, 0.9162, 0.0071
CMYK	0.39, 0.92, 0.00, 0.01
HSL	274°, 98%, 54%
HSV	274°, 92%, 99%
XYZ	31.3957, 14.5417, 94.2315
YIQ	87.2150, 4.7960, 100.3480

Conversions

Conversions Part 2

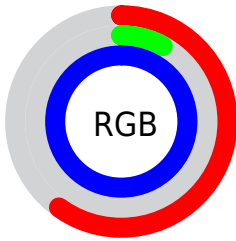
Format	Color
R_{YB}	154, 21, 253
Decimal	10098173
CIE _{Lab}	45.00, 82.70, -85.42
CIE _{LCh}	45, 118.896, 314.073
Yxy	14.5417, 0.2240, 0.1037
Android (android.graphics.Color)	4288288253 (0xFF9A15FD)
YUV	87.2150, 81.7320, 58.5704
Hunter-Lab	38.1336, 80.2268, -119.8173

Details

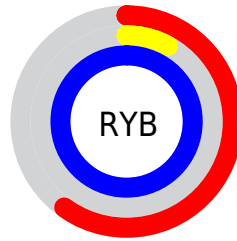
The CIELCh color **45, 118.896, 314.073** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **89, 108.085, 129.647**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 92.645, 320.016**, and **30, 102.747, 311.124** is the 20% darker color. If you saturate the color by 10%, you get **43, 122.395, 313.469**, and if you desaturate by 10%, it is **48, 111.811, 314.468**.

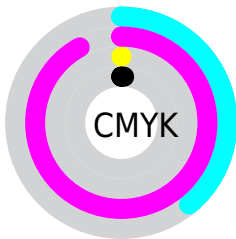
Distribution



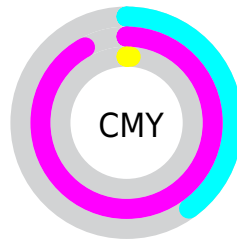
- Red (60%)
- Green (8%)
- Blue (99%)



- Red (60%)
- Yellow (8%)
- Blue (99%)



- Cyan (39%)
- Magenta (92%)
- Yellow (0%)
- Black (1%)





- Cyan (40%)
- Magenta (92%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 118.896, 314.073 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, 118.896, 314.073 by changing the saturation by 10% instead.


 45, 118.896,
314.073


 45, 118.896,
314.073


 100, 118.896,
314.073


 35, 118.896,
314.073


 65, 118.896,
314.073


 25, 118.896,
314.073


 75, 118.896,
314.073


 15, 118.896,
314.073


 85, 118.896,
314.073

 5, 118.896,
314.073

 95, 118.896,
314.073

 0, 118.896,
314.073

 45, 118.896,

 45, 118.896,

314.073

314.073

■ 43, 122.395,
313.469

■ 48, 111.811,
314.468

■ 53, 101.555,
314.515

■ 58, 89.009,
314.311

■ 64, 75.068,
313.949

■ 71, 60.435,
313.502

■ 77, 45.590,
313.019

■ 84, 30.830,
312.534

■ 91, 16.331,
312.066

Harmonies

Complementary

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



45, 118.896, 314.073



89, 108.085, 129.647

Rectangle

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



45, 118.896, 314.073



45, 118.896, 4.073



45, 118.896, 134.073



45, 118.896, 184.073

Sweetspot

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



45, 118.896, 314.073



81, 39.058, 312.797



53, 75.955, 287.273



41, 26.405, 312.964



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, 118.896, 314.073



43, 123.065, 313.465



60, 107.774, 330.861



49, 8.056, 311.971



32, 98.965, 313.658



7, 44.758, 314.908

Inverse Universe

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



55, 82.410, 6.014



54, 84.611, 10.150



87, 115.042, 137.010



50, 6.088, 348.587



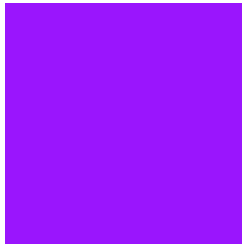
41, 68.077, 9.179



10, 31.378, 2.506

Previews

White Background



This preview shows how the CIELCh color 45, 118.896, 314.073 looks on a white background.

Color Contrast Check

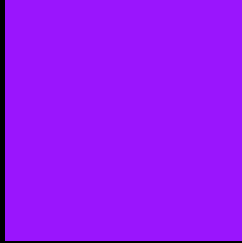
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 45, 118.896, 314.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

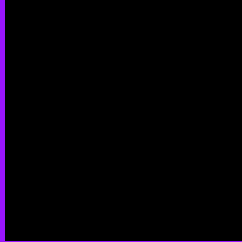
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 118.896, 314.073

Background



This preview shows how black text looks on a background with the CIELCh color 45, 118.896, 314.073.



This preview shows how white text looks on a background with the CIELCh color 45, 118.896, 314.073.

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, 118.896, 314.073

Protanopia

45, 67.970, 286.957

Deuteranopia

45, 47.829, 273.987



Tritanopia
45, 11.080, 355.519

Trichromacy



Original Color
45, 118.896, 314.073



Protanomaly
40, 93.332, 300.119



Deuteranomaly
40, 79.948, 297.737



Tritanomaly
42, 56.913, 318.313

Monochromacy



Original Color
45, 118.896, 314.073



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 53.319, 314.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 118.896, 314.073 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(154, 21, 253)` looks like.

```
.text, #text, p{  
    color:rgb(154, 21, 253)  
}
```

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(154, 21, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 21, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 118.896, 314.073 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(154, 21, 253) }
```

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

```
.border{ border-color:rgb(154, 21, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 21, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 21, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 21, 253);  
box-shadow:4px 4px 4px 4px rgb(154, 21,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 118.896, 314.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 21, 253) }
```

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

```
.background{ background-color: rgb(154, 21,  
253) }
```

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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