

Converting Colors

CIELCh(45, 118.281, 314.958)

Have a look what the booklet for
CIELCh(45, 118.281, 314.958)
contains.

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Color

CIELCh(45, 118.151, 315.023)

Conversions

Conversions Part 1

Format	Color
Hex	9F0DFA
RGB	159, 13, 250
RGB Percent	62%, 5%, 98%
CMY	0.3772, 0.9471, 0.0203
CMYK	0.36, 0.95, 0.00, 0.02
HSL	277°, 96%, 52%
HSV	277°, 95%, 98%
XYZ	31.6356, 14.5417, 91.4275
YIQ	83.6720, 10.9390, 104.6590

Conversions

Conversions Part 2

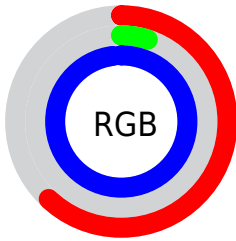
Format	Color
R _{YB}	159, 13, 250
Decimal	10423802
CIE Lab	45.00, 83.58, -83.51
CIE LCh	45, 118.151, 315.023
Yxy	14.5417, 0.2299, 0.1057
Android (android.graphics.Color)	4288613882 (0xFF9F0DFA)
YUV	83.6720, 81.9997, 66.0627
Hunter-Lab	38.1336, 81.3495, -115.4577

Details

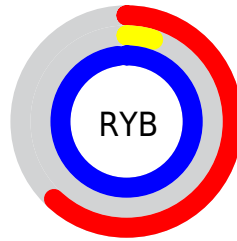
The CIELCh color **45, 118.151, 315.023** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **88, 109.596, 131.067**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 93.739, 321.070**, and **30, 100.716, 311.986** is the 20% darker color. If you saturate the color by 10%, you get **44, 120.065, 314.622**, and if you desaturate by 10%, it is **48, 112.507, 315.551**.

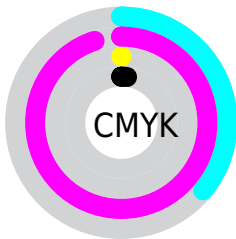
Distribution



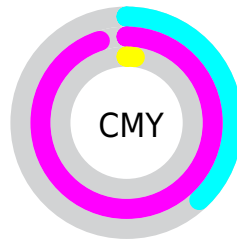
- Red (62%)
- Green (5%)
- Blue (98%)



- Red (62%)
- Yellow (5%)
- Blue (98%)



- Cyan (36%)
- Magenta (95%)
- Yellow (0%)
- Black (2%)





- Cyan (38%)
- Magenta (95%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 118.151, 315.023 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, 118.151, 315.023 by changing the saturation by 10% instead.


 45, 118.151,
315.023


 45, 118.151,
315.023


 100, 118.151,
315.023


 35, 118.151,
315.023


 65, 118.151,
315.023


 25, 118.151,
315.023


 75, 118.151,
315.023


 15, 118.151,
315.023


 85, 118.151,
315.023

 5, 118.151,
315.023

 95, 118.151,
315.023

 0, 118.151,
315.023

 45, 118.151,

 45, 118.151,

315.023

■ 44, 120.065,
314.622

315.023

■ 48, 112.507,
315.551

■ 52, 103.570,
315.726

■ 57, 92.040,
315.631

■ 62, 78.783,
315.352

■ 68, 64.554,
314.963

■ 75, 49.906,
314.518

■ 81, 35.203,
314.054

■ 88, 20.672,
313.595

Harmonies

Complementary

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



45, 118.151, 315.023



88, 109.596, 131.067

Rectangle

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



45, 118.151, 315.023



45, 118.151, 5.023



45, 118.151, 135.023



45, 118.151, 185.023

Sweetspot

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



45, 118.151, 315.023



81, 40.863, 314.214



49, 82.646, 291.083



40, 28.306, 314.414



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, 118.151, 315.023



45, 121.961, 314.610



58, 104.540, 332.490



48, 8.000, 313.366



33, 97.113, 314.807



7, 43.189, 316.048

Inverse Universe

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



54, 82.559, 11.382



54, 85.318, 14.290



86, 113.924, 137.189



49, 5.837, 351.168



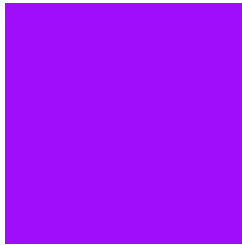
40, 67.846, 13.203



10, 30.463, 5.664

Previews

White Background



This preview shows how the CIELCh color 45, 118.151, 315.023 looks on a white background.

Color Contrast Check

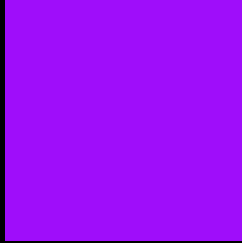
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.151, 315.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

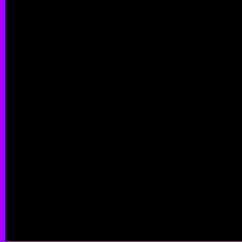
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 118.151, 315.023

Background



This preview shows how black text looks on a background with the CIELCh color 45, 118.151, 315.023.



This preview shows how white text looks on a background with the CIELCh color 45, 118.151, 315.023.

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, 118.271, 315.040

Protanopia

46, 67.902, 286.754

Deuteranopia

45, 48.341, 274.421



Tritanopia
45, 14.684, 2.645

Trichromacy



Original Color
45, 118.271, 315.040



Protanomaly
40, 94.484, 300.663



Deuteranomaly
39, 81.263, 298.638



Tritanomaly
41, 58.211, 321.527

Monochromacy



Original Color
45, 118.271, 315.040



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 54.899, 315.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 118.151, 315.023 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, 13, 250)` looks like.

```
.text, #text, p{  
    color:rgb(159, 13, 250)  
}
```

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, 13, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 13, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 118.151, 315.023 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, 13, 250) }
```

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

```
.border{ border-color:rgb(159, 13, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 13, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 13, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 13, 250);  
box-shadow:4px 4px 4px 4px rgb(159, 13,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 118.151, 315.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 13, 250) }
```

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

```
.background{ background-color: rgb(159, 13,  
250) }
```

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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