Converting Colors

CIELCh(45, 121.549, 315.071)

Have a look what the booklet for CIELCh(45, 121.549, 315.071) contains.

Color

CIELCh(45, 121.213, 315.041)

Conversions

Conversions Part 1

Format	Color
Hex	A000FE
RGB	160, 0, 254
RGB Percent	63%, 0%, 100%
CMY	0.3740, 1.0000, 0.0053
CMYK	0.37, 1.00, 0.00, 0.01
HSL	278°, 100%, 50%
HSV	278°, 100%, 99%
XYZ	32.2400, 14.5417, 94.5698
YIQ	76.7960, 13.8260, 112.9140

Conversions

Conversions Part 2

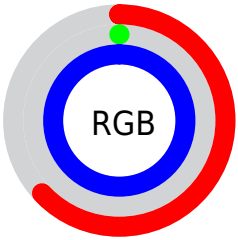
Format	Color
RYB	160, 0, 254
Decimal	10486014
CIELab	45.00, 85.77, -85.65
CIELCh	45, 121.213, 315.041
Yxy	14.5417, 0.2281, 0.1029
Android (android.graphics.Color)	4288676094 (0xFFA000FE)
YUV	76.7960, 87.3616, 72.9699
Hunter-Lab	38.1336, 84.1788, -120.3434

Details

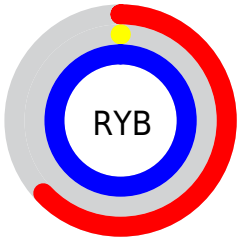
The CIELCh color 45, 121.213, 315.041 is a dark color, and the websafe version is hex 9900FF. The color can be described as middle saturated purple. A complement of this color would be 88, 113.295, 131.963, and the grayscale version is 32, 0.005, 296.813.

A 20% lighter version of the original color is 61, 95.147, 321.391, and 31, 102.521, 311.736 is the 20% darker color. If you saturate the color by 10%, you get 45, 121.096, 315.025, and if you desaturate by 10%, it is 47, 117.098, 315.718.

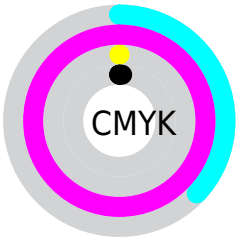
Distribution



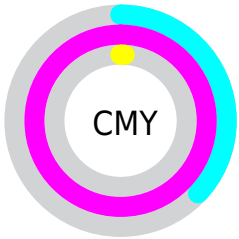
- Red (63%)
- Green (0%)
- Blue (100%)



- Red (63%)
- Yellow (0%)
- Blue (100%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



- Cyan (37%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 121.213, 315.041 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, 121.213, 315.041 by changing the saturation by 10% instead.

45, 121.213, 315.041

45, 121.213, 315.041

100, 121.213, 315.041

35, 121.213, 315.041

65, 121.213, 315.041

25, 121.213, 315.041

75, 121.213, 315.041

15, 121.213, 315.041

85, 121.213, 315.041

5, 121.213, 315.041

95, 121.213, 315.041

0, 121.213, 315.041

45, 121.213,

45, 121.213,

315.041

45, 121.096, 315.025

315.041

47, 117.098, 315.718

51, 109.933, 316.083

55, 99.702, 316.135

60, 87.218, 315.958

66, 73.318, 315.632

72, 58.681, 315.221

79, 43.781, 314.771

86, 28.927, 314.313

93, 14.302, 313.862

Harmonies

Complementary

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

45, 121.213, 315.041

88, 113.295, 131.963

Rectangle

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

45, 121.213, 315.041

45, 121.213, 5.041

45, 121.213, 135.041

45, 121.213, 185.041

Sweetspot

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

45, 121.096, 315.025

79, 43.972, 314.772

47, 91.515, 294.337

39, 30.083, 314.964

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, 121.096, 315.025

45, 121.592, 315.022

58, 104.853, 333.614

49, 8.162, 313.840

34, 97.806, 315.206

7, 44.534, 316.496

Inverse Universe

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

54, 85.328, 15.678

54, 85.680, 15.696

87, 116.754, 136.902

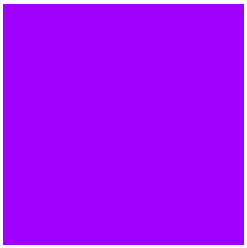
50, 5.885, 352.088

41, 68.788, 14.647

10, 31.284, 7.292

Previews

White Background

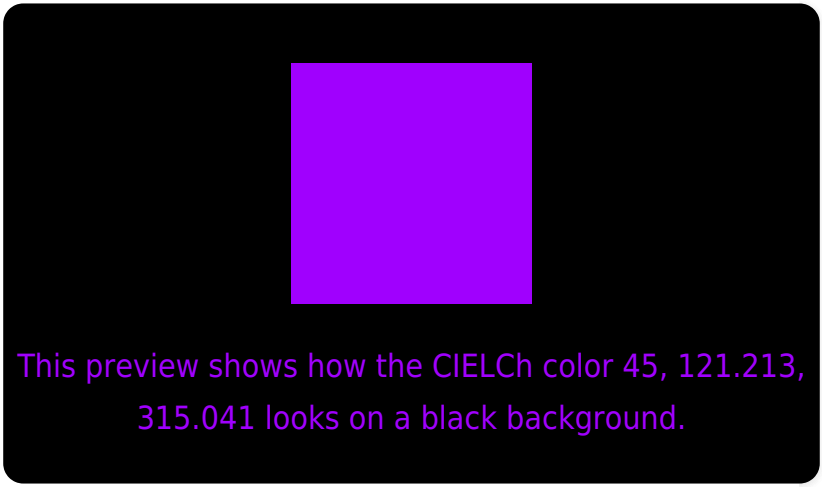


This preview shows how the CIELCh color 45, 121.213, 315.041 looks on a white background.

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

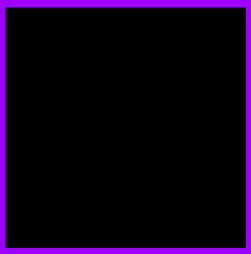


Color Contrast Check

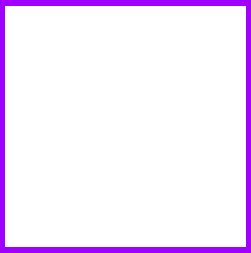
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 45, 121.213, 315.041 Background



This preview shows how black text looks on a background with the CIELCh color 45, 121.213, 315.041.



This preview shows how white text looks on a background with the CIELCh color 45, 121.213,

315.041.

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

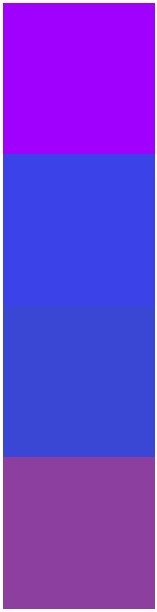
Original Color
45, 121.213, 315.041

Protanopia
46, 68.449, 286.963

Deuteranopia
46, 48.331, 274.151

Tritanopia
45, 14.254, 1.996

Trichromacy



Original Color
45, 121.213, 315.041

Protanomaly
39, 98.467, 301.675

Deuteranomaly
38, 85.410, 299.789

Tritanomaly
41, 61.443, 321.320

Monochromacy

Original Color
45, 121.213, 315.041

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, 121.213, 315.041 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(160, 0, 254) looks like.

```
.text, #text, p{
    color:rgb(160, 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(160, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 121.213, 315.041 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(160, 0, 254) }
```

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

```
.border{ border-color:rgb(160, 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(160, 0, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 0, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 0, 254); box-shadow:4px 4px 4px 4px rgb(160, 0, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 121.213, 315.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(160, 0, 254) }
```

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

```
.background{ background-color:rgb(160, 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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