

Converting Colors

CIELCh(45, 121.726, 314.496)

Have a look what the booklet for
CIELCh(45, 121.726, 314.496)
contains.

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Color

CIELCh(45, 121.439, 314.560)

Conversions

Conversions Part 1

Format	Color
Hex	9D06FF
RGB	157, 6, 255
RGB Percent	62%, 2%, 100%
CMY	0.3835, 0.9780, 0.0000
CMYK	0.38, 0.98, 0.00, 0.00
HSL	276°, 100%, 51%
HSV	276°, 98%, 100%
XYZ	32.0840, 14.5417, 95.8813
YIQ	79.5350, 10.0670, 109.4510

Conversions

Conversions Part 2

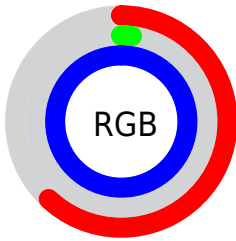
Format	Color
R_{YB}	157, 6, 255
Decimal	10290943
CIE _{Lab}	45.00, 85.21, -86.53
CIE _{LCh}	45, 121.439, 314.560
Yxy	14.5417, 0.2251, 0.1020
Android (android.graphics.Color)	4288481023 (0xFF9D06FF)
YUV	79.5350, 86.5042, 67.9368
Hunter-Lab	38.1336, 83.4484, -122.3825

Details

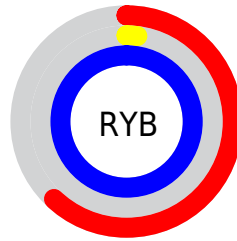
The CIELCh color **45, 121.439, 314.560** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **89, 112.313, 131.238**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 94.610, 320.783**, and **30, 103.309, 311.341** is the 20% darker color. If you saturate the color by 10%, you get **45, 122.145, 314.411**, and if you desaturate by 10%, it is **48, 116.674, 315.220**.

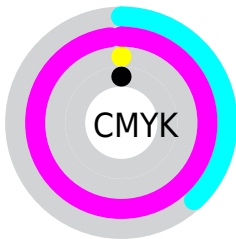
Distribution



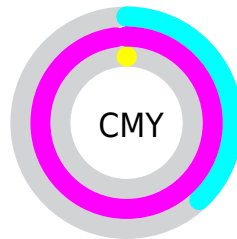
- Red (62%)
- Green (2%)
- Blue (100%)



- Red (62%)
- Yellow (2%)
- Blue (100%)



- Cyan (38%)
- Magenta (98%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (98%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 121.439, 314.560 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, 121.439, 314.560 by changing the saturation by 10% instead.


 45, 121.439,
314.560


 45, 121.439,
314.560


 100, 121.439,
314.560


 35, 121.439,
314.560


 65, 121.439,
314.560


 25, 121.439,
314.560


 75, 121.439,
314.560


 15, 121.439,
314.560


 85, 121.439,
314.560

 5, 121.439,
314.560

 95, 121.439,
314.560

 0, 121.439,
314.560

 45, 121.439,

 45, 121.439,

314.560

314.560

■ 45, 122.145,
314.411

■ 48, 116.674,
315.220

■ 51, 108.571,
315.500

■ 56, 97.558,
315.478

■ 61, 84.518,
315.243

■ 68, 70.277,
314.876

■ 74, 55.466,
314.439

■ 81, 40.510,
313.974

■ 88, 25.675,
313.509

95, 11.118,
313.056

Harmonies

Complementary

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



45, 121.439, 314.560



89, 112.313, 131.238

Rectangle

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



45, 121.439, 314.560



45, 121.439, 4.560



45, 121.439, 134.560



45, 121.439, 184.560

Sweetspot

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



45, 121.359, 314.574



80, 42.302, 314.030



49, 87.122, 292.400



40, 29.121, 314.230



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, 121.359, 314.574



45, 122.145, 314.411



59, 106.493, 332.651



49, 8.120, 313.132



33, 98.241, 314.599



7, 44.633, 315.889

Inverse Universe

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



54, 84.581, 12.445



54, 85.162, 13.594



88, 117.027, 136.876



50, 5.960, 350.724



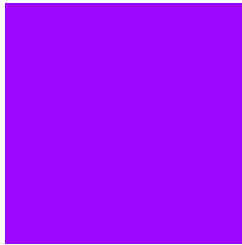
41, 68.430, 12.572



10, 31.290, 5.458

Previews

White Background



This preview shows how the CIELCh color 45, 121.439, 314.560 looks on a white background.

Color Contrast Check

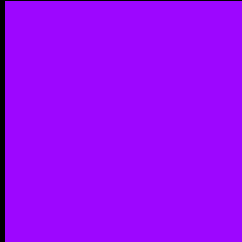
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.439, 314.560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

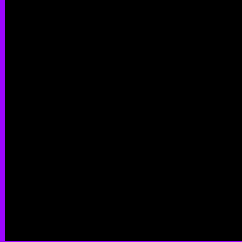
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 121.439, 314.560

Background



This preview shows how black text looks on a background with the CIELCh color 45, 121.439, 314.560.



This preview shows how white text looks on a background with the CIELCh color 45, 121.439, 314.560.

314.560.

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, 121.339, 314.546

Protanopia

46, 67.902, 286.754

Deuteranopia

45, 48.341, 274.421



Tritanopia
45, 12.059, 0.932

Trichromacy



Original Color
45, 121.339, 314.546



Protanomaly
39, 96.813, 301.206



Deuteranomaly
38, 84.268, 299.406



Tritanomaly
41, 60.053, 319.845

Monochromacy



Original Color
45, 121.339, 314.546



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 57.876, 315.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 121.439, 314.560 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(157, 6, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 6, 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(157, 6, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 6, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 121.439, 314.560 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(157, 6, 255) }
```

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

```
.border{ border-color:rgb(157, 6, 255) }
```

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

Here you see how a box with a 4 pixel rgb(157, 6, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 6, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 6, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 6,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 121.439, 314.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 6, 255) }
```

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

```
.background{ background-color: rgb(157, 6,  
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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