

Converting Colors

CIELCh(45, 114.503, 317.018)

Have a look what the booklet for
CIELCh(45, 114.503, 317.018)
contains.

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Color

CIELCh(45, 114.371, 317.050)

Conversions

Conversions Part 1

Format	Color
Hex	A702F0
RGB	167, 2, 240
RGB Percent	65%, 1%, 94%
CMY	0.3452, 0.9926, 0.0590
CMYK	0.30, 0.99, 0.00, 0.06
HSL	282°, 98%, 47%
HSV	282°, 99%, 94%
XYZ	31.6725, 14.5417, 83.5481
YIQ	78.4670, 21.9420, 108.9980

Conversions

Conversions Part 2

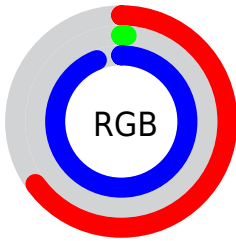
Format	Color
RYB	167, 2, 240
Decimal	10945264
CIELab	45.00, 83.71, -77.93
CIELCh	45, 114.371, 317.050
Yxy	14.5417, 0.2441, 0.1121
Android (android.graphics.Color)	4289135344 (0xFFA702F0)
YUV	78.4670, 79.6358, 77.6434
Hunter-Lab	38.1336, 81.5223, -103.2069

Details

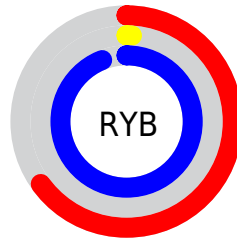
The CIELCh color **45, 114.371, 317.050** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle saturated purple. A complement of this color would be **84, 110.047, 133.183**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 94.876, 322.485**, and **31, 95.617, 313.857** is the 20% darker color. If you saturate the color by 10%, you get **45, 114.613, 316.998**, and if you desaturate by 10%, it is **47, 110.682, 317.673**.

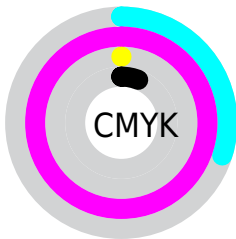
Distribution



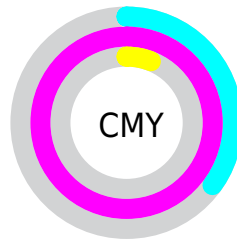
- Red (65%)
- Green (1%)
- Blue (94%)



- Red (65%)
- Yellow (1%)
- Blue (94%)



- Cyan (30%)
- Magenta (99%)
- Yellow (0%)
- Black (6%)





- Cyan (35%)
- Magenta (99%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 114.371, 317.050 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, 114.371, 317.050 by changing the saturation by 10% instead.


 45, 114.371,
317.050


 45, 114.371,
317.050


 100, 114.371,
317.050


 35, 114.371,
317.050


 65, 114.371,
317.050


 25, 114.371,
317.050


 75, 114.371,
317.050


 15, 114.371,
317.050


 85, 114.371,
317.050

 5, 114.371,
317.050

 95, 114.371,
317.050

 0, 114.371,
317.050

 45, 114.371,

 45, 114.371,

317.050

317.050

■ 45, 114.613,
316.998

■ 47, 110.682,
317.673

■ 50, 104.002,
317.999

■ 54, 94.444,
318.049

■ 59, 82.705,
317.892

■ 64, 69.534,
317.595

■ 70, 55.565,
317.211

■ 76, 41.262,
316.783

■ 82, 26.939,
316.339

■ 89, 12.792,
315.895

Harmonies

Complementary

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



45, 114.371, 317.050



84, 110.047, 133.183

Rectangle

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



45, 114.371, 317.050



45, 114.371, 7.050



45, 114.371, 137.050



45, 114.371, 187.050

Sweetspot

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



45, 114.370, 317.050



80, 44.531, 316.822



41, 96.721, 297.836



40, 30.436, 317.005



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, 114.370, 317.050



48, 120.032, 316.967



55, 95.443, 337.258



47, 7.882, 315.907



34, 93.676, 317.161



6, 40.101, 318.284

Inverse Universe

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



51, 83.608, 21.121



54, 87.993, 21.754



83, 108.772, 138.066



47, 5.403, 356.351



39, 68.291, 20.485



8, 28.773, 9.894

Previews

White Background



This preview shows how the CIE LCh color 45, 114.371, 317.050 looks on a white background.

Color Contrast Check

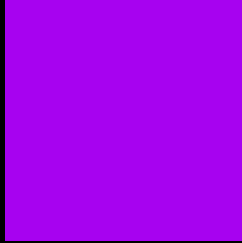
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.371, 317.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

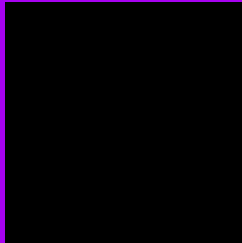
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 114.371, 317.050

Background



This preview shows how black text looks on a background with the CIELCh color 45, 114.371, 317.050.



This preview shows how white text looks on a background with the CIELCh color 45, 114.371, 317.050.

317.050.

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, 114.371, 317.050

Protanopia

46, 68.449, 286.963

Deuteranopia

46, 48.843, 274.578



Tritanopia
45, 21.455, 11.427

Trichromacy



Original Color
45, 114.371, 317.050

Protanomaly
39, 95.196, 301.521

Deuteranomaly
38, 82.617, 299.796

Tritanomaly
42, 59.690, 327.385

Monochromacy



Original Color
45, 114.371, 317.050

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 55.997, 317.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 114.371, 317.050 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(167, 2, 240)` looks like.

```
.text, #text, p{  
    color:rgb(167, 2, 240)  
}
```

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(167, 2, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 2, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 114.371, 317.050 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(167, 2, 240) }
```

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

```
.border{ border-color:rgb(167, 2, 240) }
```

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

Here you see how a box with a 4 pixel rgb(167, 2, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 2, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 2, 240);  
box-shadow:4px 4px 4px 4px rgb(167, 2,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 114.371, 317.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 2, 240) }
```

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

```
.background{ background-color: rgb(167, 2,  
240) }
```

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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