

Converting Colors

CIELCh(45, 113.140, 317.683)

Have a look what the booklet for
CIELCh(45, 113.140, 317.683)
contains.

CIELCh(45, 113.116, 317.635)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(45, 113.116, 317.635)

Conversions

Conversions Part 1

Format	Color
Hex	A900ED
RGB	169, 0, 237
RGB Percent	66%, 0%, 93%
CMY	0.3374, 1.0000, 0.0707
CMYK	0.29, 1.00, 0.00, 0.07
HSL	283°, 100%, 46%
HSV	283°, 100%, 93%
XYZ	31.6352, 14.5417, 81.2366
YIQ	77.5490, 24.6470, 109.5350

Conversions

Conversions Part 2

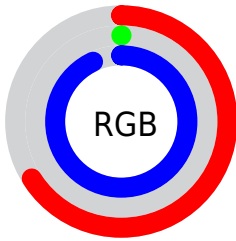
Format	Color
RYB	169, 0, 237
Decimal	11075821
CIELab	45.00, 83.58, -76.22
CIELCh	45, 113.116, 317.635
Yxy	14.5417, 0.2483, 0.1141
Android (android.graphics.Color)	4289265901 (0xFFA900ED)
YUV	77.5490, 78.6093, 80.2025
Hunter-Lab	38.1336, 81.3479, -99.6128

Details

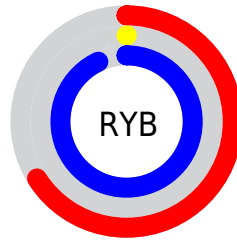
The CIELCh color **45, 113.116, 317.635** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle washed purple. A complement of this color would be **83, 109.729, 133.575**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 95.389, 322.900**, and **31, 93.921, 314.582** is the 20% darker color. If you saturate the color by 10%, you get **45, 113.106, 317.634**, and if you desaturate by 10%, it is **47, 109.692, 318.245**.

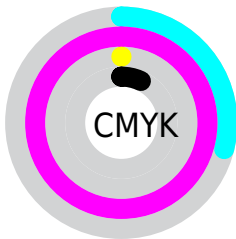
Distribution



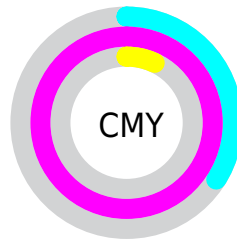
- Red (66%)
- Green (0%)
- Blue (93%)



- Red (66%)
- Yellow (0%)
- Blue (93%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (34%)
- Magenta (100%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 113.116, 317.635 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, 113.116, 317.635 by changing the saturation by 10% instead.


 45, 113.116,
317.635


 45, 113.116,
317.635


 100, 113.116,
317.635


 35, 113.116,
317.635


 65, 113.116,
317.635


 25, 113.116,
317.635


 75, 113.116,
317.635


 15, 113.116,
317.635


 85, 113.116,
317.635

 5, 113.116,
317.635

 95, 113.116,
317.635

 0, 113.116,
317.635

 45, 113.116,

 45, 113.116,

317.635

317.635

■ 45, 113.106,
317.634

■ 47, 109.692,
318.245

■ 50, 103.451,
318.584

■ 53, 94.321,
318.653

■ 58, 82.945,
318.515

■ 63, 70.055,
318.232

■ 69, 56.290,
317.859

■ 75, 42.129,
317.438

■ 81, 27.903,
316.996

■ 87, 13.821,
316.552

Harmonies

Complementary

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



45, 113.116, 317.635



83, 109.729, 133.575

Rectangle

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



45, 113.116, 317.635



45, 113.116, 7.635



45, 113.116, 137.635



45, 113.116, 187.635

Sweetspot

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



45, 113.106, 317.634



80, 44.713, 317.443



39, 98.958, 298.889



40, 30.551, 317.625



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, 113.106, 317.634



48, 119.586, 317.597



54, 93.400, 338.349



46, 7.783, 316.528



34, 92.369, 317.793



6, 38.524, 318.787

Inverse Universe

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



50, 83.984, 23.271



54, 88.915, 23.522



82, 107.233, 138.304



46, 5.257, 357.717



38, 68.208, 22.188



7, 27.802, 10.108

Previews

White Background



This preview shows how the CIE LCh color 45, 113.116, 317.635 looks on a white background.

Color Contrast Check

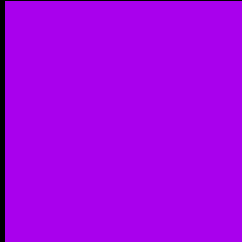
Large Text (above 18pt) WCAG AA ✓ Pass

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, 113.116, 317.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

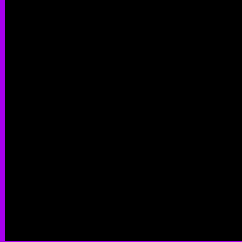
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 113.116, 317.635

Background



This preview shows how black text looks on a background with the CIELCh color 45, 113.116, 317.635.



This preview shows how white text looks on a background with the CIELCh color 45, 113.116, 317.635.

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, 113.116, 317.635

Protanopia

46, 68.996, 287.168

Deuteranopia

46, 49.357, 274.996



Tritanopia
45, 23.219, 12.574

Trichromacy



Original Color
45, 113.116, 317.635



Protanomaly
39, 95.259, 301.668



Deuteranomaly
38, 82.617, 299.796



Tritanomaly
42, 60.063, 328.769

Monochromacy



Original Color
45, 113.116, 317.635



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 55.519, 318.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 113.116, 317.635 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(169, 0, 237)` looks like.

```
.text, #text, p{  
    color:rgb(169, 0, 237)  
}
```

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(169, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 0, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 113.116, 317.635 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(169, 0, 237) }
```

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

```
.border{ border-color:rgb(169, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(169, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(169, 0,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 113.116, 317.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 0, 237) }
```

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

```
.background{ background-color: rgb(169, 0,  
237) }
```

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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