

Converting Colors

CIELCh(45, 106.990, 317.703)

Have a look what the booklet for
CIELCh(45, 106.990, 317.703)
contains.

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Color

CIELCh(45, 106.815, 317.797)

Conversions

Conversions Part 1

Format	Color
Hex	A718E5
RGB	167, 24, 229
RGB Percent	65%, 9%, 90%
CMY	0.3448, 0.9054, 0.1017
CMYK	0.27, 0.89, 0.00, 0.10
HSL	282°, 81%, 50%
HSV	282°, 89%, 90%
XYZ	30.4314, 14.5417, 75.3786
YIQ	90.1270, 19.4230, 94.0710

Conversions

Conversions Part 2

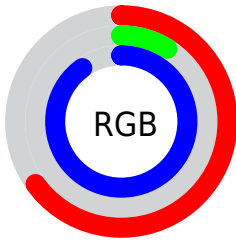
Format	Color
RYB	167, 24, 229
Decimal	10950885
CIELab	45.00, 79.13, -71.75
CIElCh	45, 106.815, 317.797
Yxy	14.5417, 0.2529, 0.1208
Android (android.graphics.Color)	4289140965 (0xFFA718E5)
YUV	90.1270, 68.4644, 67.4176
Hunter-Lab	38.1336, 75.7127, -90.5049

Details

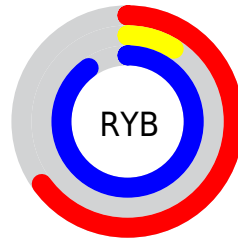
The CIELCh color **45, 106.815, 317.797** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **81, 102.440, 132.534**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 92.070, 322.056**, and **30, 90.478, 315.081** is the 20% darker color. If you saturate the color by 10%, you get **43, 110.392, 317.187**, and if you desaturate by 10%, it is **48, 100.420, 318.122**.

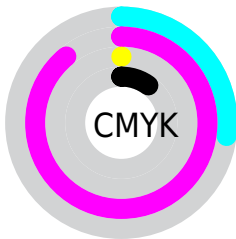
Distribution



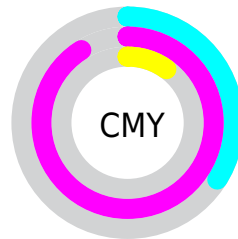
- Red (65%)
- Green (9%)
- Blue (90%)



- Red (65%)
- Yellow (9%)
- Blue (90%)



- Cyan (27%)
- Magenta (89%)
- Yellow (0%)
- Black (10%)





- Cyan (34%)
- Magenta (91%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 106.815, 317.797 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, 106.815, 317.797 by changing the saturation by 10% instead.


 45, 106.815,
317.797


 45, 106.815,
317.797


 100, 106.815,
317.797


 35, 106.815,
317.797


 65, 106.815,
317.797


 25, 106.815,
317.797


 75, 106.815,
317.797


 15, 106.815,
317.797


 85, 106.815,
317.797

 5, 106.815,
317.797

 95, 106.815,
317.797


 0, 106.815,
317.797

 45, 106.815,


 45, 106.815,


317.797


317.797


 43, 110.392,
317.187


 48, 100.420,
318.122


 43, 110.557,
317.154

 52, 91.260,
318.175


 56, 79.991,
318.021

 61, 67.332,
317.726

 67, 53.890,
317.346

 73, 40.116,
316.920

 79, 26.313,
316.478

 85, 12.672,
316.036

Harmonies

Complementary

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



45, 106.815, 317.797



81, 102.440, 132.534

Rectangle

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



45, 106.815, 317.797



45, 106.815, 7.797



45, 106.815, 137.797



45, 106.815, 187.797

Sweetspot

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



45, 106.814, 317.797



82, 40.043, 316.819



43, 83.296, 294.371



41, 27.034, 316.970



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, 106.814, 317.797



48, 119.938, 317.097



53, 91.187, 336.287



45, 7.613, 316.035



33, 91.657, 317.309



5, 36.730, 318.036

Inverse Universe

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



49, 76.818, 16.044



54, 88.177, 22.127



80, 99.806, 139.551



45, 5.202, 356.629



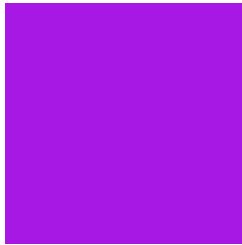
37, 66.961, 20.729



7, 26.661, 8.362

Previews

White Background



This preview shows how the CIELCh color 45, 106.815, 317.797 looks on a white background.

Color Contrast Check

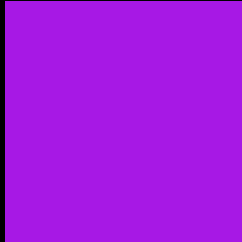
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.815, 317.797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

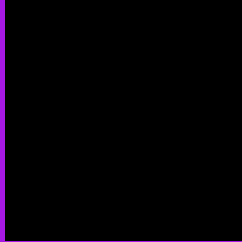
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 106.815, 317.797

Background



This preview shows how black text looks on a background with the CIELCh color 45, 106.815, 317.797.



This preview shows how white text looks on a background with the CIELCh color 45, 106.815, 317.797.

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, 106.815, 317.797

Protanopia

46, 67.902, 286.754

Deuteranopia

45, 49.372, 275.261



Tritanopia
45, 24.169, 13.158

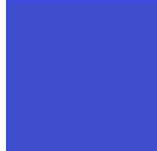
Trichromacy



Original Color
45, 106.815, 317.797



Protanomaly
40, 87.716, 299.662



Deuteranomaly
39, 75.322, 297.440



Tritanomaly
43, 54.092, 330.185

Monochromacy



Original Color
45, 106.815, 317.797



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 48.666, 317.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 106.815, 317.797 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, 24, 229)` looks like.

```
.text, #text, p{  
    color:rgb(167, 24, 229)  
}
```

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, 24, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 24, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 106.815, 317.797 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, 24, 229) }
```

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

```
.border{ border-color:rgb(167, 24, 229) }
```

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

Here you see how a box with a 4 pixel rgb(167, 24, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 24, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 24, 229);  
box-shadow:4px 4px 4px 4px rgb(167, 24,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 106.815, 317.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 24, 229) }
```

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

```
.background{ background-color: rgb(167, 24,  
229) }
```

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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