

Converting Colors

CIELCh(42, 117.502, 314.399)

Have a look what the booklet for
CIELCh(42, 117.502, 314.399)
contains.

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Color

CIELCh(42, 117.485, 314.315)

Conversions

Conversions Part 1

Format	Color
Hex	9200F2
RGB	146, 0, 242
RGB Percent	57%, 0%, 95%
CMY	0.4278, 1.0000, 0.0514
CMYK	0.40, 1.00, 0.00, 0.05
HSL	276°, 100%, 47%
HSV	276°, 100%, 95%
XYZ	27.8444, 12.5000, 84.8712
YIQ	71.2420, 9.3340, 106.2140

Conversions

Conversions Part 2

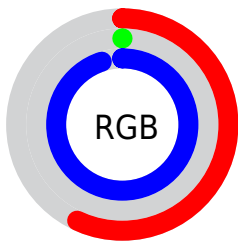
Format	Color
R_{YB}	146, 0, 242
Decimal	9568498
CIE _{Lab}	42.00, 82.08, -84.06
CIE _{LCh}	42, 117.485, 314.315
Yxy	12.5000, 0.2224, 0.0998
Android (android.graphics.Color)	4287758578 (0xFF9200F2)
YUV	71.2420, 84.1837, 65.5628
Hunter-Lab	35.3553, 78.7075, -117.5781

Details

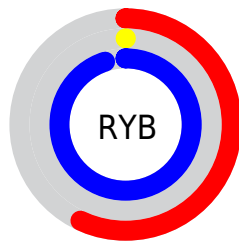
The CIELCh color **42, 117.485, 314.315** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **85, 108.475, 131.301**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 96.249, 318.952**, and **27, 98.793, 310.736** is the 20% darker color. If you saturate the color by 10%, you get **42, 117.453, 314.311**, and if you desaturate by 10%, it is **44, 113.327, 314.992**.

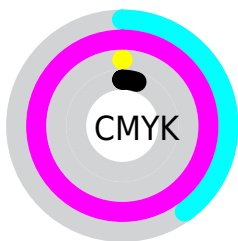
Distribution



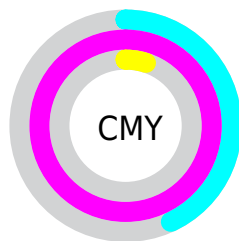
- Red (57%)
- Green (0%)
- Blue (95%)



- Red (57%)
- Yellow (0%)
- Blue (95%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (43%)
- Magenta (100%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 117.485, 314.315 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 42, 117.485, 314.315 by changing the saturation by 10% instead.


 42, 117.485,
314.315


 42, 117.485,
314.315


 100, 117.485,
314.315


 32, 117.485,
314.315


 62, 117.485,
314.315


 22, 117.485,
314.315


 72, 117.485,
314.315


 12, 117.485,
314.315


 82, 117.485,
314.315

 2, 117.485,
314.315


 92, 117.485,
314.315

 0, 117.485,
314.315


 42, 117.485,


 42, 117.485,


314.315


 42, 117.453,
314.311


314.315


 44, 113.327,
314.992


 48, 106.153,
315.339


 52, 96.055,
315.365

 57, 83.855,
315.162

 63, 70.373,
314.813

 69, 56.249,
314.384

 75, 41.925,
313.920

 82, 27.679,
313.453

■ 89, 13.678,
312.998

Harmonies

Complementary

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



42, 117.485, 314.315



85, 108.475, 131.301

Rectangle

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



42, 117.485, 314.315



42, 117.485, 4.315



42, 117.485, 134.315



42, 117.485, 184.315

Sweetspot

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



42, 117.453, 314.311



79, 43.759, 313.924



46, 85.498, 293.118



39, 29.948, 314.122



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42, 117.453, 314.311



44, 122.267, 314.280



56, 102.530, 332.745



47, 7.709, 312.974



31, 95.372, 314.500



6, 39.965, 315.380

Inverse Universe

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



52, 81.705, 12.964



54, 85.066, 13.131



84, 113.091, 136.737



47, 5.680, 350.424



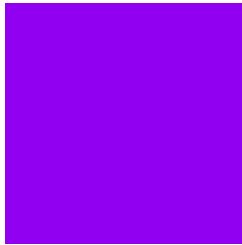
39, 66.299, 11.948



8, 28.831, 3.697

Previews

White Background



This preview shows how the CIE LCh color 42, 117.485, 314.315 looks on a white background.

Color Contrast Check

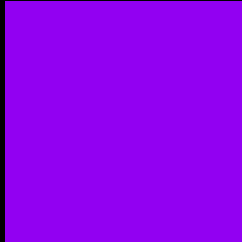
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 117.485, 314.315 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 42, 117.485, 314.315

Background



This preview shows how black text looks on a background with the CIELCh color 42, 117.485, 314.315.



This preview shows how white text looks on a background with the CIELCh color 42, 117.485, 314.315.

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

42, 117.485, 314.315

Protanopia

43, 64.528, 286.700

Deuteranopia

43, 45.836, 274.147



Tritanopia
42, 10.810, 354.566

Trichromacy



Original Color
42, 117.485, 314.315

Protanomaly
36, 93.661, 301.506

Deuteranomaly
36, 81.579, 299.736

Tritanomaly
38, 59.046, 319.052

Monochromacy



Original Color
42, 117.485, 314.315

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 56.538, 315.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 117.485, 314.315 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(146, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 242)  
}
```

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(146, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 117.485, 314.315 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(146, 0, 242) }
```

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

```
.border{ border-color:rgb(146, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(146, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 117.485, 314.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 242) }
```

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

```
.background{ background-color: rgb(146, 0,  
242) }
```

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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