

Converting Colors

CIELCh(42, 117.736, 314.140)

Have a look what the booklet for
CIELCh(42, 117.736, 314.140)
contains.

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Color

CIELCh(42, 117.910, 314.114)

Conversions

Conversions Part 1

Format	Color
Hex	9101F3
RGB	145, 1, 243
RGB Percent	57%, 0%, 95%
CMY	0.4316, 0.9967, 0.0473
CMYK	0.40, 1.00, 0.00, 0.05
HSL	276°, 99%, 48%
HSV	276°, 100%, 95%
XYZ	27.8445, 12.5000, 85.6935
YIQ	71.6440, 8.1420, 105.7900

Conversions

Conversions Part 2

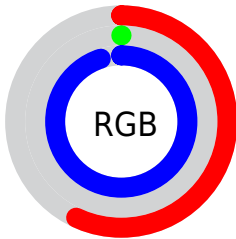
Format	Color
R_{YB}	145, 1, 243
Decimal	9503219
CIE _{Lab}	42.00, 82.08, -84.65
CIE _{LCh}	42, 117.910, 314.114
Yxy	12.5000, 0.2209, 0.0992
Android (android.graphics.Color)	4287693299 (0xFF9101F3)
YUV	71.6440, 84.4785, 64.3332
Hunter-Lab	35.3553, 78.7080, -118.9570

Details

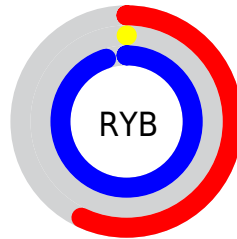
The CIELCh color **42, 117.910, 314.114** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **85, 108.468, 131.072**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 96.237, 318.771**, and **27, 99.359, 310.576** is the 20% darker color. If you saturate the color by 10%, you get **42, 118.037, 314.091**, and if you desaturate by 10%, it is **44, 113.663, 314.791**.

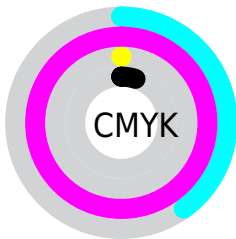
Distribution



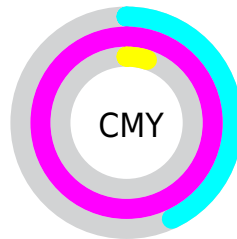
- Red (57%)
- Green (0%)
- Blue (95%)



- 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, 117.910, 314.114 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, 117.910, 314.114 by changing the saturation by 10% instead.


 42, 117.910,
314.114


 42, 117.910,
314.114


 100, 117.910,
314.114


 32, 117.910,
314.114


 62, 117.910,
314.114


 22, 117.910,
314.114


 72, 117.910,
314.114


 12, 117.910,
314.114


 82, 117.910,
314.114

 2, 117.910,
314.114

 92, 117.910,
314.114


 0, 117.910,
314.114


 42, 117.910,


 42, 117.910,


314.114

314.114


 42, 118.037,
314.091


 44, 113.663,
314.791

 48, 106.295,
315.122


 52, 96.017,
315.132

 57, 83.674,
314.914

 63, 70.086,
314.554

 69, 55.891,
314.117

 76, 41.520,
313.648

 83, 27.245,
313.177

■ 89, 13.226,
312.720

Harmonies

Complementary

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



42, 117.910, 314.114



85, 108.468, 131.072

Rectangle

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



42, 117.910, 314.114



42, 117.910, 4.114



42, 117.910, 134.114



42, 117.910, 184.114

Sweetspot

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



42, 117.910, 314.115



79, 43.696, 313.668



47, 82.935, 291.815



39, 29.909, 313.868



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, 117.910, 314.115



44, 122.475, 314.062



56, 104.201, 331.908



48, 7.830, 312.712



32, 96.522, 314.273



6, 41.643, 315.335

Inverse Universe

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



52, 81.752, 12.027



54, 84.921, 12.352



84, 113.828, 136.587



48, 5.807, 349.936



40, 66.898, 11.238



9, 29.678, 3.600

Previews

White Background



This preview shows how the CIELCh color 42, 117.910, 314.114 looks on a white background.

Color Contrast Check

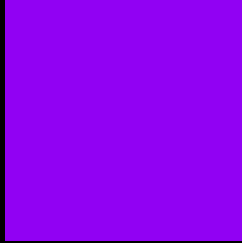
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 117.910, 314.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

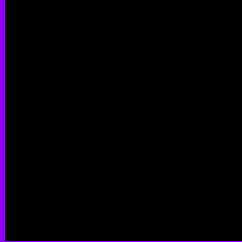
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 117.910, 314.114

Background



This preview shows how black text looks on a background with the CIELCh color 42, 117.910, 314.114.



This preview shows how white text looks on a background with the CIELCh color 42, 117.910, 314.114.

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, 117.910, 314.114

Protanopia

43, 64.528, 286.700

Deuteranopia

43, 45.836, 274.147



Tritanopia
42, 9.407, 354.175

Trichromacy



Original Color
42, 117.910, 314.114



Protanomaly
36, 93.661, 301.506



Deuteranomaly
36, 81.579, 299.736



Tritanomaly
38, 58.371, 318.275

Monochromacy



Original Color
42, 117.910, 314.114



Achromatopsia
31, 0.005, 296.813



Achromatomaly
30, 56.499, 315.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 117.910, 314.114 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(145, 1, 243)` looks like.

```
.text, #text, p{  
    color:rgb(145, 1, 243)  
}
```

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(145, 1, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 1, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 117.910, 314.114 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(145, 1, 243) }
```

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

```
.border{ border-color:rgb(145, 1, 243) }
```

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

Here you see how a box with a 4 pixel rgb(145, 1, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 1, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 1, 243);  
box-shadow:4px 4px 4px 4px rgb(145, 1,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 117.910, 314.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 1, 243) }
```

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

```
.background{ background-color: rgb(145, 1,  
243) }
```

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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