

Converting Colors

CIELCh(42, 111.909, 315.025)

Have a look what the booklet for
CIELCh(42, 111.909, 315.025)
contains.

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Color

CIELCh(42, 111.909, 315.025)

Conversions

Conversions Part 1

Format	Color
Hex	940DE9
RGB	148, 13, 233
RGB Percent	58%, 5%, 91%
CMY	0.4190, 0.9475, 0.0857
CMYK	0.36, 0.94, 0.00, 0.09
HSL	277°, 89%, 48%
HSV	277°, 94%, 91%
XYZ	27.1190, 12.5000, 78.1872
YIQ	78.4450, 9.8400, 97.0400

Conversions

Conversions Part 2

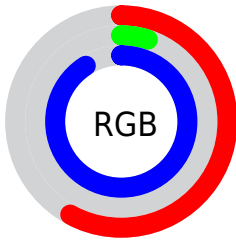
Format	Color
R_{YB}	148, 13, 233
Decimal	9702889
CIE _{Lab}	42.00, 79.17, -79.10
CIE _{LCh}	42, 111.909, 315.025
Yxy	12.5000, 0.2302, 0.1061
Android (android.graphics.Color)	4287892969 (0xFF940DE9)
YUV	78.4450, 76.1956, 60.9997
Hunter-Lab	35.3553, 75.0451, -106.3692

Details

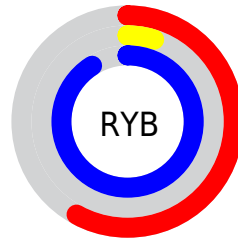
The CIELCh color **42, 111.909, 315.025** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **82, 103.704, 130.954**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 94.867, 318.970**, and **27, 94.682, 311.682** is the 20% darker color. If you saturate the color by 10%, you get **41, 113.966, 314.615**, and if you desaturate by 10%, it is **45, 106.335, 315.525**.

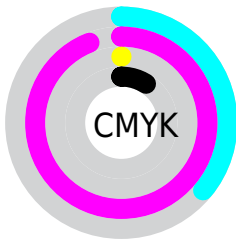
Distribution



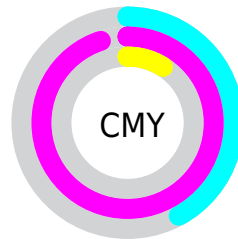
- Red (58%)
- Green (5%)
- Blue (91%)



- Red (58%)
- Yellow (5%)
- Blue (91%)



- Cyan (36%)
- Magenta (94%)
- Yellow (0%)
- Black (9%)





- Cyan (42%)
- Magenta (95%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 111.909, 315.025 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, 111.909, 315.025 by changing the saturation by 10% instead.


 42, 111.909,
315.025


 42, 111.909,
315.025


 100, 111.909,
315.025


 32, 111.909,
315.025


 62, 111.909,
315.025


 22, 111.909,
315.025


 72, 111.909,
315.025


 12, 111.909,
315.025


 82, 111.909,
315.025

 2, 111.909,
315.025

 92, 111.909,
315.025

 0, 111.909,
315.025

 42, 111.909,

 42, 111.909,

315.025

315.025

■ 41, 113.966,
314.615

■ 45, 106.335,
315.525

■ 49, 97.689,
315.678

■ 53, 86.652,
315.568

■ 59, 74.039,
315.281

■ 64, 60.548,
314.888

■ 70, 46.688,
314.441

■ 77, 32.791,
313.979

■ 83, 19.065,
313.521

Harmonies

Complementary

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



42, 111.909, 315.025



82, 103.704, 130.954

Rectangle

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



42, 111.909, 315.025



42, 111.909, 5.025



42, 111.909, 135.025



42, 111.909, 185.025

Sweetspot

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



42, 111.909, 315.025



81, 40.850, 314.158



46, 77.812, 290.799



40, 28.297, 314.359



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, 111.909, 315.025



45, 122.005, 314.562



54, 99.136, 332.455



46, 7.592, 313.307



31, 94.181, 314.791



5, 38.204, 315.437

Inverse Universe

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



50, 78.162, 10.859



54, 85.279, 14.124



81, 107.836, 137.262



46, 5.547, 351.055



38, 65.739, 12.866



7, 27.915, 3.802

Previews

White Background



This preview shows how the CIELCh color 42, 111.909, 315.025 looks on a white background.

Color Contrast Check

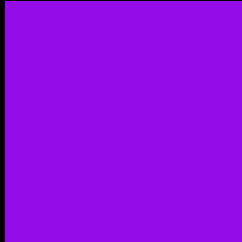
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.909, 315.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

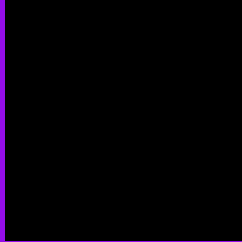
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 111.909, 315.025

Background



This preview shows how black text looks on a background with the CIELCh color 42, 111.909, 315.025.



This preview shows how white text looks on a background with the CIELCh color 42, 111.909, 315.025.

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, 111.909, 315.025

Protanopia

43, 63.974, 286.474

Deuteranopia

42, 45.319, 273.681



Tritanopia
42, 13.462, 3.217

Trichromacy



Original Color
42, 111.909, 315.025



Protanomaly
37, 88.517, 300.387



Deuteranomaly
36, 76.801, 298.539



Tritanomaly
39, 55.071, 321.470

Monochromacy



Original Color
42, 111.909, 315.025



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 51.699, 315.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 111.909, 315.025 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(148, 13, 233)` looks like.

```
.text, #text, p{  
    color:rgb(148, 13, 233)  
}
```

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(148, 13, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 13, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 111.909, 315.025 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(148, 13, 233) }
```

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

```
.border{ border-color:rgb(148, 13, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 13, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 13, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 13, 233);  
box-shadow:4px 4px 4px 4px rgb(148, 13,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 111.909, 315.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 13, 233) }
```

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

```
.background{ background-color: rgb(148, 13,  
233) }
```

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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