

Converting Colors

CIELCh(42, 120.117, 311.887)

Have a look what the booklet for
CIELCh(42, 120.117, 311.887)
contains.

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Color

CIELCh(42, 120.001, 311.934)

Conversions

Conversions Part 1

Format	Color
Hex	8515FB
RGB	133, 21, 251
RGB Percent	52%, 8%, 98%
CMY	0.4782, 0.9173, 0.0155
CMYK	0.47, 0.92, 0.00, 0.02
HSL	269°, 97%, 53%
HSV	269°, 92%, 98%
XYZ	27.3737, 12.5000, 92.2825
YIQ	80.7080, -7.0780, 95.2740

Conversions

Conversions Part 2

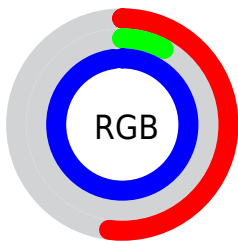
Format	Color
R _Y B	133, 21, 251
Decimal	8721915
CIE Lab	42.00, 80.19, -89.27
CIE LCh	42, 120.001, 311.934
Yxy	12.5000, 0.2071, 0.0946
Android (android.graphics.Color)	4286911995 (0xFF8515FB)
YUV	80.7080, 83.9540, 45.8601
Hunter-Lab	35.3553, 76.3311, -130.0066

Details

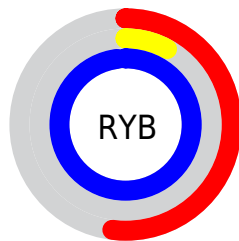
The CIELCh color $42, 120.001, 311.934$ is a dark color, and the websafe version is hex $9900FF$. The color can be described as middle washed purple. A complement of this color would be $89, 104.579, 126.928$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 93.738, 316.457$, and $27, 104.657, 308.807$ is the 20% darker color. If you saturate the color by 10%, you get $40, 123.924, 311.391$, and if you desaturate by 10%, it is $46, 112.267, 312.228$.

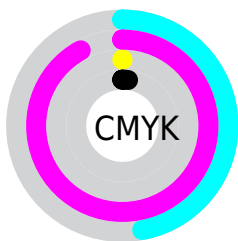
Distribution



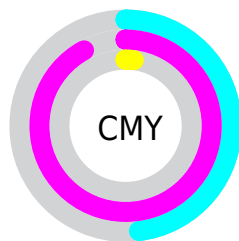
- Red (52%)
- Green (8%)
- Blue (98%)



- Red (52%)
- Yellow (8%)
- Blue (98%)



- Cyan (47%)
- Magenta (92%)
- Yellow (0%)
- Black (2%)





- Cyan (48%)
- Magenta (92%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 120.001, 311.934 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, 120.001, 311.934 by changing the saturation by 10% instead.


 42, 120.001,
311.934


 42, 120.001,
311.934


 100, 120.001,
311.934


 32, 120.001,
311.934


 62, 120.001,
311.934


 22, 120.001,
311.934


 72, 120.001,
311.934


 12, 120.001,
311.934


 82, 120.001,
311.934

 2, 120.001,
311.934

 92, 120.001,
311.934


 0, 120.001,
311.934

 42, 120.001,


 42, 120.001,


311.934


311.934


 40, 123.924,
311.391

 46, 112.267,
312.228


 51, 101.368,
312.143


 56, 88.341,
311.803

 63, 74.142,
311.317

 69, 59.457,
310.765

 76, 44.720,
310.200

 83, 30.183,
309.652

 90, 15.980,
309.138

Harmonies

Complementary

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



42, 120.001, 311.934



89, 104.579, 126.928

Rectangle

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



42, 120.001, 311.934



42, 120.001, 1.934



42, 120.001, 131.934



42, 120.001, 181.934

Sweetspot

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



42, 120.001, 311.935



80, 38.486, 309.946



58, 64.476, 279.403



40, 26.041, 310.135



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, 120.001, 311.935



40, 125.409, 311.381



59, 112.609, 327.559



48, 7.780, 309.034



29, 99.803, 311.587



6, 43.233, 312.309

Inverse Universe

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



55, 82.967, 358.271



55, 84.796, 1.673



87, 116.233, 136.200



49, 6.333, 343.700



41, 67.730, 0.829



10, 31.193, 355.191

Previews

White Background



This preview shows how the CIELCh color 42, 120.001, 311.934 looks on a white background.

Color Contrast Check

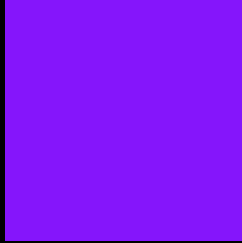
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120.001, 311.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

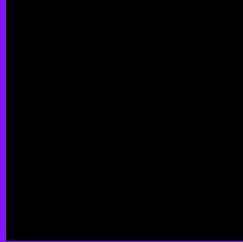
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 120.001, 311.934

Background



This preview shows how black text looks on a background with the CIELCh color 42, 120.001, 311.934.



This preview shows how white text looks on a background with the CIELCh color 42, 120.001, 311.934.

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, 120.001, 311.934

Protanopia

42, 64.042, 286.692

Deuteranopia

42, 44.810, 273.498



Tritanopia
42, 4.960, 276.920

Trichromacy



Original Color
42, 120.001, 311.934

Protanomaly
38, 90.648, 299.847

Deuteranomaly
37, 77.779, 297.517

Tritanomaly
38, 54.729, 309.788

Monochromacy



Original Color
42, 120.001, 311.934

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 53.397, 311.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 120.001, 311.934 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(133, 21, 251)` looks like.

```
.text, #text, p{  
    color:rgb(133, 21, 251)  
}
```

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(133, 21, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 21, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 120.001, 311.934 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(133, 21, 251) }
```

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

```
.border{ border-color:rgb(133, 21, 251) }
```

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

Here you see how a box with a 4 pixel rgb(133, 21, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 21, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 21, 251);  
box-shadow:4px 4px 4px 4px rgb(133, 21,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 120.001, 311.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 21, 251) }
```

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

```
.background{ background-color: rgb(133, 21,  
251) }
```

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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