

Converting Colors

CIELCh(42, 120.943, 311.248)

Have a look what the booklet for
CIELCh(42, 120.943, 311.248)
contains.

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Color

CIELCh(42, 120.909, 311.260)

Conversions

Conversions Part 1

Format	Color
Hex	8119FE
RGB	129, 25, 254
RGB Percent	51%, 10%, 100%
CMY	0.4945, 0.9025, 0.0042
CMYK	0.49, 0.90, 0.00, 0.00
HSL	267°, 99%, 55%
HSV	267°, 90%, 100%
XYZ	27.2603, 12.5000, 94.6720
YIQ	82.2020, -11.5250, 93.2670

Conversions

Conversions Part 2

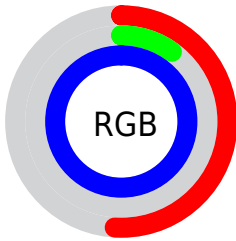
Format	Color
RYB	129, 25, 254
Decimal	8460798
CIELab	42.00, 79.74, -90.89
CIElCh	42, 120.909, 311.260
Yxy	12.5000, 0.2028, 0.0930
Android (android.graphics.Color)	4286650878 (0xFF8119FE)
YUV	82.2020, 84.6964, 41.0418
Hunter-Lab	35.3553, 75.7583, -134.0138

Details

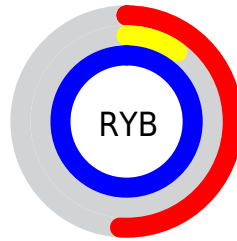
The CIELCh color **42, 120.909, 311.260** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **90, 103.778, 125.629**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 93.206, 315.654**, and **26, 106.650, 308.237** is the 20% darker color. If you saturate the color by 10%, you get **39, 125.888, 310.691**, and if you desaturate by 10%, it is **46, 112.360, 311.436**.

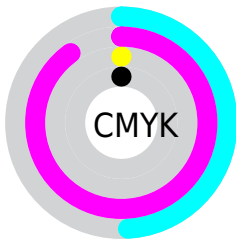
Distribution



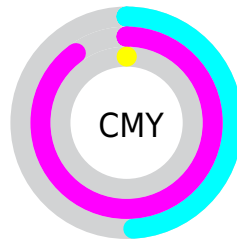
- Red (51%)
- Green (10%)
- Blue (100%)



- Red (51%)
- Yellow (10%)
- Blue (100%)



- Cyan (49%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (90%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 120.909, 311.260 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, 120.909, 311.260 by changing the saturation by 10% instead.


 42, 120.909,
311.260


 42, 120.909,
311.260


 100, 120.909,
311.260


 32, 120.909,
311.260


 62, 120.909,
311.260


 22, 120.909,
311.260


 72, 120.909,
311.260


 12, 120.909,
311.260


 82, 120.909,
311.260

 2, 120.909,
311.260

 92, 120.909,
311.260

 0, 120.909,
311.260

 42, 120.909,

 42, 120.909,

311.260

311.260

■ 39, 125.888,
310.691

■ 46, 112.360,
311.436

■ 51, 100.743,
311.241

■ 57, 87.182,
310.809

■ 64, 72.627,
310.251

■ 71, 57.728,
309.645

■ 78, 42.876,
309.041

■ 85, 28.290,
308.466

■ 92, 14.080,
307.933

Harmonies

Complementary

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



42, 120.909, 311.260



90, 103.778, 125.629

Rectangle

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



42, 120.909, 311.260



42, 120.909, 1.260



42, 120.909, 131.260



42, 120.909, 181.260

Sweetspot

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



42, 120.910, 311.261



80, 38.292, 308.853



61, 60.173, 274.965



40, 25.919, 309.053



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, 120.910, 311.261



39, 126.299, 310.689



59, 113.297, 326.329



49, 7.860, 307.897



29, 101.522, 310.881



6, 44.922, 311.631

Inverse Universe

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



56, 84.337, 355.019



55, 85.423, 358.555



88, 116.396, 136.041



50, 6.584, 341.993



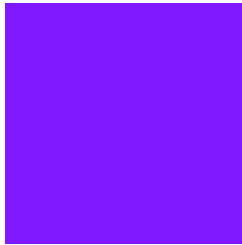
41, 68.958, 357.826



11, 32.374, 352.949

Previews

White Background



This preview shows how the CIELCh color 42, 120.909, 311.260 looks on a white background.

Color Contrast Check

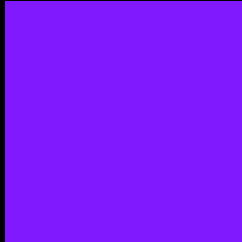
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120.909, 311.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

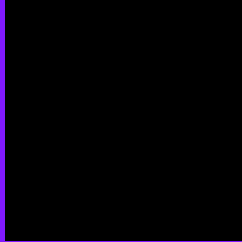
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 120.909, 311.260

Background



This preview shows how black text looks on a background with the CIELCh color 42, 120.909, 311.260.



This preview shows how white text looks on a background with the CIELCh color 42, 120.909, 311.260.

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

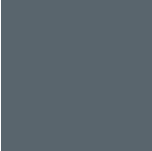
42, 120.909, 311.260

Protanopia

42, 63.487, 286.463

Deuteranopia

42, 44.295, 273.013



Tritanopia
42, 6.629, 246.024

Trichromacy



Original Color
42, 120.909, 311.260

Protanomaly
38, 90.057, 299.564

Deuteranomaly
37, 77.710, 297.234

Tritanomaly
38, 54.995, 307.335

Monochromacy



Original Color
42, 120.909, 311.260

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 53.196, 310.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 120.909, 311.260 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(129, 25, 254)` looks like.

```
.text, #text, p{  
    color:rgb(129, 25, 254)  
}
```

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(129, 25, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 25, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 120.909, 311.260 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(129, 25, 254) }
```

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

```
.border{ border-color:rgb(129, 25, 254) }
```

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

Here you see how a box with a 4 pixel rgb(129, 25, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 25, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 25, 254);  
box-shadow:4px 4px 4px 4px rgb(129, 25,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 120.909, 311.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 25, 254) }
```

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

```
.background{ background-color: rgb(129, 25,  
254) }
```

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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