

Converting Colors

CIELCh(42, 121.331, 310.793)

Have a look what the booklet for
CIELCh(42, 121.331, 310.793)
contains.

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Color

CIELCh(42, 120.956, 310.814)

Conversions

Conversions Part 1

Format	Color
Hex	7E1CFF
RGB	126, 28, 255
RGB Percent	49%, 11%, 100%
CMY	0.5056, 0.8898, 0.0000
CMYK	0.51, 0.89, 0.00, 0.00
HSL	266°, 100%, 56%
HSV	266°, 89%, 100%
XYZ	27.0922, 12.5000, 95.6476
YIQ	83.1800, -14.4590, 91.3730

Conversions

Conversions Part 2

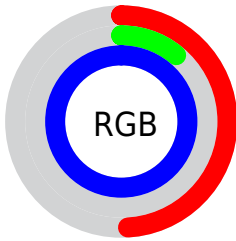
Format	Color
R _{YB}	126, 28, 255
Decimal	8264959
CIE _{Lab}	42.00, 79.06, -91.54
CIE _{LCh}	42, 120.956, 310.814
Yxy	12.5000, 0.2003, 0.0924
Android (android.graphics.Color)	4286455039 (0xFF7E1CFF)
YUV	83.1800, 84.7073, 37.5531
Hunter-Lab	35.3553, 74.9096, -135.6499

Details

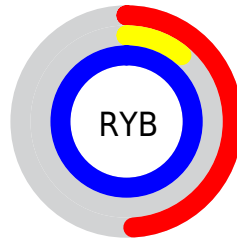
The CIELCh color **42, 120.956, 310.814** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **91, 102.792, 124.671**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 92.684, 315.211**, and **26, 107.530, 307.910** is the 20% darker color. If you saturate the color by 10%, you get **39, 126.435, 310.301**, and if you desaturate by 10%, it is **46, 111.740, 310.892**.

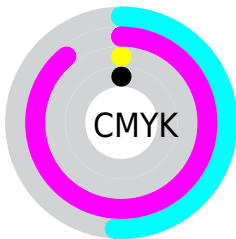
Distribution



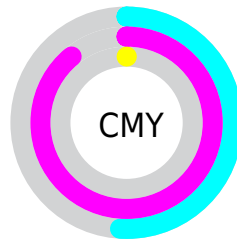
- Red (49%)
- Green (11%)
- Blue (100%)



- Red (49%)
- Yellow (11%)
- Blue (100%)



- Cyan (51%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (89%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 120.956, 310.814 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, 120.956, 310.814 by changing the saturation by 10% instead.


 42, 120.956,
310.814


 42, 120.956,
310.814


 100, 120.956,
310.814


 32, 120.956,
310.814


 62, 120.956,
310.814


 22, 120.956,
310.814


 72, 120.956,
310.814


 12, 120.956,
310.814


 82, 120.956,
310.814

 2, 120.956,
310.814

 92, 120.956,
310.814

 0, 120.956,
310.814

 42, 120.956,

 42, 120.956,

310.814

310.814

■ 39, 126.435,
310.301

■ 46, 111.740,
310.892

■ 39, 126.903,
310.244

■ 52, 99.611,
310.609

■ 58, 85.704,
310.105

■ 64, 70.950,
309.494

■ 72, 55.958,
308.850

■ 79, 41.085,
308.218

■ 86, 26.521,
307.626

■ 93, 12.360,
307.081

100, 0.012,
296.813

Harmonies

Complementary

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



42, 120.956, 310.814



91, 102.792, 124.671

Rectangle

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



42, 120.956, 310.814



42, 120.956, 0.814



42, 120.956, 130.814



42, 120.956, 180.814

Sweetspot

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



42, 120.928, 310.818



80, 38.167, 308.097



64, 56.061, 270.137



40, 25.839, 308.307



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, 120.928, 310.818



39, 126.903, 310.244



58, 113.402, 325.135



49, 7.828, 307.108



28, 102.004, 310.433



5, 44.917, 311.029

Inverse Universe

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



57, 85.142, 352.811



55, 86.022, 356.462



88, 115.804, 135.800



50, 6.687, 340.862



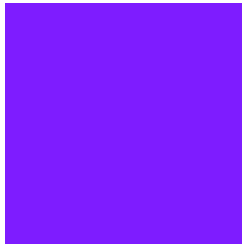
42, 69.467, 355.785



11, 32.673, 351.264

Previews

White Background



This preview shows how the CIELCh color 42, 120.956, 310.814 looks on a white background.

Color Contrast Check

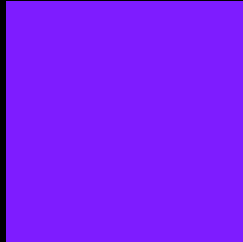
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120.956, 310.814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

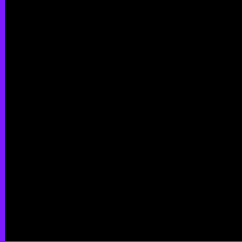
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 120.956, 310.814

Background



This preview shows how black text looks on a background with the CIELCh color 42, 120.956, 310.814.



This preview shows how white text looks on a background with the CIELCh color 42, 120.956, 310.814.

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

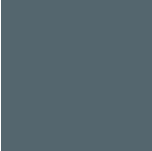
42, 120.956, 310.814

Protanopia

42, 63.487, 286.463

Deuteranopia

42, 44.295, 273.013



Tritanopia
42, 8.286, 234.612

Trichromacy



Original Color
42, 120.956, 310.814



Protanomaly
38, 89.997, 299.340



Deuteranomaly
38, 77.082, 296.860



Tritanomaly
38, 54.178, 305.113

Monochromacy



Original Color
42, 120.956, 310.814



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 52.453, 309.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 120.956, 310.814 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(126, 28, 255)` looks like.

```
.text, #text, p{  
    color:rgb(126, 28, 255)  
}
```

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(126, 28, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 28, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 120.956, 310.814 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(126, 28, 255) }
```

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

```
.border{ border-color:rgb(126, 28, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 28, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 28, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 28, 255);  
box-shadow:4px 4px 4px 4px rgb(126, 28,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 120.956, 310.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 28, 255) }
```

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

```
.background{ background-color: rgb(126, 28,  
255) }
```

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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