

Converting Colors

CIELCh(42, 124.085, 312.462)

Have a look what the booklet for
CIELCh(42, 124.085, 312.462)
contains.

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Color

CIELCh(42, 124.028, 312.442)

Conversions

Conversions Part 1

Format	Color
Hex	8801FF
RGB	136, 1, 255
RGB Percent	53%, 0%, 100%
CMY	0.4662, 0.9949, 0.0000
CMYK	0.47, 0.99, 0.00, 0.00
HSL	272°, 100%, 50%
HSV	272°, 99%, 100%
XYZ	28.2550, 12.5000, 95.6237
YIQ	70.3210, -1.0740, 107.6140

Conversions

Conversions Part 2

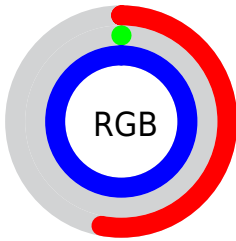
Format	Color
R_{YB}	136, 1, 255
Decimal	8913407
CIE _{Lab}	42.00, 83.70, -91.53
CIE _{LCh}	42, 124.028, 312.442
Yxy	12.5000, 0.2072, 0.0917
Android (android.graphics.Color)	4287103487 (0xFF8801FF)
YUV	70.3210, 91.0467, 57.6005
Hunter-Lab	35.3553, 80.7803, -135.6098

Details

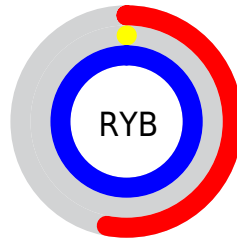
The CIELCh color **42, 124.028, 312.442** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **90, 110.369, 129.306**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 96.176, 317.336**, and **27, 106.225, 308.842** is the 20% darker color. If you saturate the color by 10%, you get **42, 124.190, 312.413**, and if you desaturate by 10%, it is **45, 119.215, 313.110**.

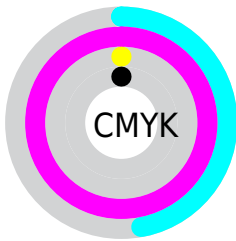
Distribution



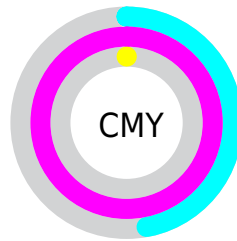
- Red (53%)
- Green (0%)
- Blue (100%)



- Red (53%)
- Yellow (0%)
- Blue (100%)



- Cyan (47%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (99%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 124.028, 312.442 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, 124.028, 312.442 by changing the saturation by 10% instead.

 42, 124.028,
312.442


 42, 124.028,
312.442


 100, 124.028,
312.442

 32, 124.028,
312.442


 62, 124.028,
312.442


 22, 124.028,
312.442


 72, 124.028,
312.442


 12, 124.028,
312.442


 82, 124.028,
312.442

 2, 124.028,
312.442

 92, 124.028,
312.442


 0, 124.028,
312.442


 42, 124.028,

 42, 124.028,


312.442


312.442


 42, 124.190,
312.413


 45, 119.215,
313.110


 48, 111.028,
313.384

 53, 99.823,
313.314

 59, 86.590,
313.013

 65, 72.224,
312.576

 72, 57.374,
312.074

 79, 42.460,
311.555

 86, 27.730,
311.047

■ 93, 13.321,
310.565

Harmonies

Complementary

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



42, 124.028, 312.442



90, 110.369, 129.306

Rectangle

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



42, 124.028, 312.442



42, 124.028, 2.442



42, 124.028, 132.442



42, 124.028, 182.442

Sweetspot

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



42, 123.981, 312.448



79, 43.220, 311.582



54, 75.770, 286.382



39, 29.610, 311.801



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, 123.981, 312.448



42, 124.190, 312.413



60, 113.963, 328.913



49, 7.983, 310.566



31, 99.853, 312.609



6, 44.857, 313.747

Inverse Universe

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



55, 84.352, 5.796



55, 84.428, 6.030



88, 119.412, 136.120



50, 6.252, 346.158



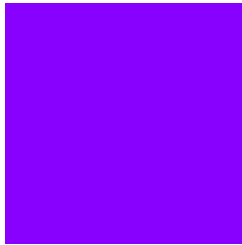
41, 68.025, 5.135



10, 31.608, 359.054

Previews

White Background



This preview shows how the CIELCh color 42, 124.028, 312.442 looks on a white background.

Color Contrast Check

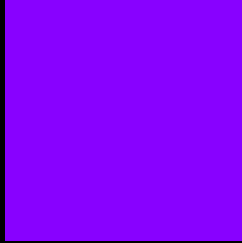
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.028, 312.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

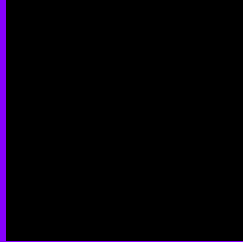
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 124.028, 312.442

Background



This preview shows how black text looks on a background with the CIELCh color 42, 124.028, 312.442.



This preview shows how white text looks on a background with the CIELCh color 42, 124.028, 312.442.

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, 124.028, 312.442

Protanopia

43, 63.974, 286.474

Deuteranopia

42, 44.804, 273.205



Tritanopia
42, 4.835, 290.897

Trichromacy



Original Color
42, 124.028, 312.442

Protanomaly
37, 95.837, 301.471

Deuteranomaly
36, 83.293, 299.651

Tritanomaly
37, 60.944, 312.372

Monochromacy



Original Color
42, 124.028, 312.442

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 58.619, 313.200

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 124.028, 312.442 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(136, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 1, 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(136, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 1, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 124.028, 312.442 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(136, 1, 255) }
```

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

```
.border{ border-color:rgb(136, 1, 255) }
```

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

Here you see how a box with a 4 pixel rgb(136, 1, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 1,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 124.028, 312.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 1, 255) }
```

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

```
.background{ background-color: rgb(136, 1,  
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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