

Converting Colors

CIELCh(40, 121.757, 312.106)

Have a look what the booklet for
CIELCh(40, 121.757, 312.106)
contains.

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Color

CIELCh(40, 121.558, 312.116)

Conversions

Conversions Part 1

Format	Color
Hex	8000F7
RGB	128, 0, 247
RGB Percent	50%, 0%, 97%
CMY	0.4991, 1.0000, 0.0324
CMYK	0.48, 1.00, 0.00, 0.03
HSL	271°, 100%, 48%
HSV	271°, 100%, 97%
XYZ	25.5996, 11.2510, 88.6047
YIQ	66.4300, -2.9990, 103.9530

Conversions

Conversions Part 2

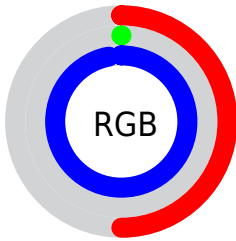
Format	Color
R_{YB}	128, 0, 247
Decimal	8388855
CIE _{Lab}	40.00, 81.52, -90.17
CIE _{LCh}	40, 121.558, 312.116
Yxy	11.2510, 0.2041, 0.0897
Android (android.graphics.Color)	4286578935 (0xFF8000F7)
YUV	66.4300, 89.0210, 53.9969
Hunter-Lab	33.5425, 77.5319, -133.1389

Details

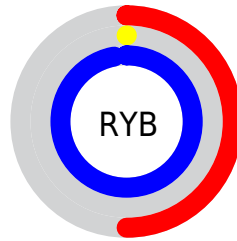
The CIELCh color **40, 121.558, 312.116** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **87, 107.321, 128.908**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 97.587, 316.135**, and **25, 103.571, 308.402** is the 20% darker color. If you saturate the color by 10%, you get **40, 121.474, 312.103**, and if you desaturate by 10%, it is **43, 116.775, 312.751**.

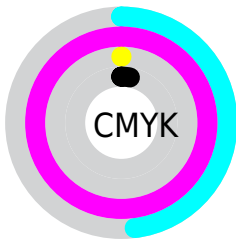
Distribution



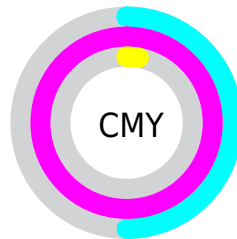
- Red (50%)
- Green (0%)
- Blue (97%)



- Red (50%)
- Yellow (0%)
- Blue (97%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)





- Cyan (50%)
- Magenta (100%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 121.558, 312.116 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 40, 121.558, 312.116 by changing the saturation by 10% instead.


 40, 121.558,
312.116


 40, 121.558,
312.116


 100, 121.558,
312.116


 30, 121.558,
312.116


 60, 121.558,
312.116


 20, 121.558,
312.116


 70, 121.558,
312.116


 10, 121.558,
312.116

 80, 121.558,
312.116


 0, 121.558,
312.116

 90, 121.558,
312.116


 40, 121.558,


 40, 121.558,


312.116

 40, 121.474,
312.103


312.116


 43, 116.775,
312.751


 46, 108.814,
313.020

 51, 97.889,
312.940

 57, 84.981,
312.624

 63, 70.974,
312.172

 70, 56.506,
311.656

 76, 41.986,
311.125

 83, 27.653,
310.607

■ 90, 13.640,
310.117

Harmonies

Complementary

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



40, 121.558, 312.116



87, 107.321, 128.908

Rectangle

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



40, 121.558, 312.116



40, 121.558, 2.116



40, 121.558, 132.116



40, 121.558, 182.116

Sweetspot

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



40, 121.474, 312.103



79, 43.124, 311.128



52, 74.166, 286.518



39, 29.550, 311.352



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40, 121.474, 312.103



41, 124.567, 312.083



58, 111.232, 328.917



47, 7.697, 310.092



30, 98.136, 312.300



5, 41.529, 312.956

Inverse Universe

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



53, 82.403, 4.583



55, 84.480, 4.671



85, 116.558, 136.110



48, 6.100, 345.378



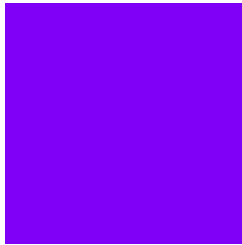
40, 66.744, 3.711



9, 30.102, 357.287

Previews

White Background



This preview shows how the CIELCh color 40, 121.558, 312.116 looks on a white background.

Color Contrast Check

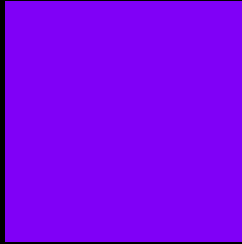
Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 121.558, 312.116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

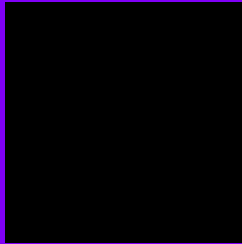
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 121.558, 312.116

Background



This preview shows how black text looks on a background with the CIELCh color 40, 121.558, 312.116.



This preview shows how white text looks on a background with the CIELCh color 40, 121.558, 312.116.

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

40, 121.558, 312.116

Protanopia

40, 62.091, 286.658

Deuteranopia

40, 43.283, 273.222



Tritanopia
40, 5.372, 264.508

Trichromacy



Original Color
40, 121.558, 312.116

Protanomaly
35, 93.006, 301.388

Deuteranomaly
34, 81.529, 299.766

Tritanomaly
35, 59.353, 310.697

Monochromacy



Original Color
40, 121.558, 312.116

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 57.732, 312.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 121.558, 312.116 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(128, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(128, 0, 247)  
}
```

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(128, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 0, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 121.558, 312.116 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(128, 0, 247) }
```

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

```
.border{ border-color:rgb(128, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(128, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(128, 0,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 121.558, 312.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 0, 247) }
```

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

```
.background{ background-color: rgb(128, 0,  
247) }
```

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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