

Converting Colors

CIELCh(40, 121.400, 312.164)

Have a look what the booklet for
CIELCh(40, 121.400, 312.164)
contains.

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Color

CIELCh(40, 121.126, 312.168)

Conversions

Conversions Part 1

Format	Color
Hex	8000F6
RGB	128, 0, 246
RGB Percent	50%, 0%, 96%
CMY	0.4979, 0.9996, 0.0351
CMYK	0.48, 1.00, 0.00, 0.04
HSL	271°, 100%, 48%
HSV	271°, 100%, 96%
XYZ	25.5501, 11.2510, 88.0447
YIQ	66.3160, -2.6780, 103.6420

Conversions

Conversions Part 2

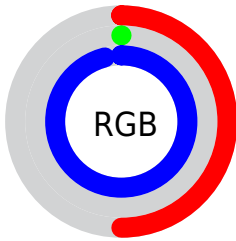
Format	Color
R_{YB}	128, 0, 246
Decimal	8388854
CIE _{Lab}	40.00, 81.31, -89.78
CIE _{LCh}	40, 121.126, 312.168
Yxy	11.2510, 0.2047, 0.0901
Android (android.graphics.Color)	4286578934 (0xFF8000F6)
YUV	66.3160, 88.5842, 54.0969
Hunter-Lab	33.5425, 77.2685, -132.1490

Details

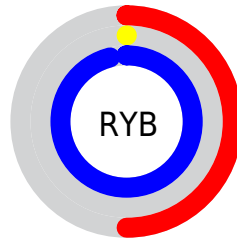
The CIELCh color **40, 121.126, 312.168** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **87, 107.164, 128.983**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 97.587, 316.135**, and **25, 103.129, 308.427** is the 20% darker color. If you saturate the color by 10%, you get **40, 121.143, 312.166**, and if you desaturate by 10%, it is **43, 116.440, 312.818**.

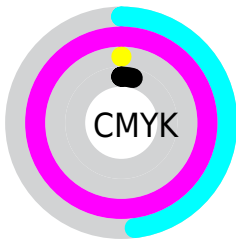
Distribution



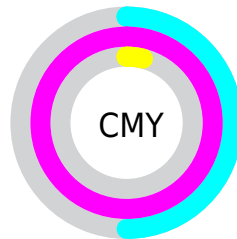
- Red (50%)
- Green (0%)
- Blue (96%)



- Red (50%)
- Yellow (0%)
- Blue (96%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (50%)
- Magenta (100%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 121.126, 312.168 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, 121.126, 312.168 by changing the saturation by 10% instead.


 40, 121.126,
312.168


 40, 121.126,
312.168


 100, 121.126,
312.168


 30, 121.126,
312.168


 60, 121.126,
312.168


 20, 121.126,
312.168


 70, 121.126,
312.168


 10, 121.126,
312.168

 80, 121.126,
312.168

 0, 121.126,
312.168

 90, 121.126,
312.168

 40, 121.126,

 40, 121.126,

312.168

■ 40, 121.143,
312.166

312.168

■ 43, 116.440,
312.818

■ 46, 108.500,
313.088

■ 51, 97.608,
313.011

■ 57, 84.739,
312.698

■ 63, 70.770,
312.250

■ 69, 56.338,
311.737

■ 76, 41.850,
311.208

■ 83, 27.548,
310.693

■ 90, 13.562,
310.204

Harmonies

Complementary

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



40, 121.126, 312.168



87, 107.164, 128.983

Rectangle

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



40, 121.126, 312.168



40, 121.126, 2.168



40, 121.126, 132.168



40, 121.126, 182.168

Sweetspot

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



40, 121.127, 312.169



79, 43.142, 311.214



52, 73.966, 286.494



39, 29.561, 311.437



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, 121.127, 312.169



41, 124.496, 312.144



58, 110.988, 328.917



47, 7.701, 310.182



30, 98.080, 312.362



5, 41.534, 313.035

Inverse Universe

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



53, 82.207, 4.813



55, 84.466, 4.928



85, 116.299, 136.112



48, 6.090, 345.524



40, 66.727, 3.961



9, 30.081, 357.493

Previews

White Background



This preview shows how the CIE LCh color 40, 121.126, 312.168 looks on a white background.

Color Contrast Check

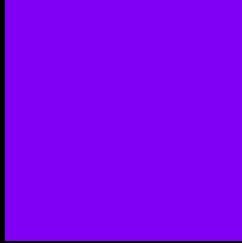
Large Text (above 18pt) WCAG AA ✓ Pass

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, 121.126, 312.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

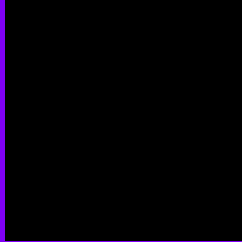
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 121.126, 312.168

Background



This preview shows how black text looks on a background with the CIELCh color 40, 121.126, 312.168.



This preview shows how white text looks on a background with the CIELCh color 40, 121.126, 312.168.

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, 121.126, 312.168

Protanopia

40, 62.091, 286.658

Deuteranopia

40, 43.283, 273.222



Tritanopia
41, 4.667, 265.390

Trichromacy



Original Color
40, 121.126, 312.168

Protanomaly
35, 92.978, 301.453

Deuteranomaly
34, 81.505, 299.852

Tritanomaly
35, 58.805, 310.821

Monochromacy



Original Color
40, 121.126, 312.168

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 57.181, 313.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 121.126, 312.168 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(128, 0, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 0, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 121.126, 312.168 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, 246) }
```

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

```
.border{ border-color:rgb(128, 0, 246) }
```

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, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 0, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 0, 246);  
box-shadow:4px 4px 4px 4px rgb(128, 0,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 121.126, 312.168 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, 246) }
```

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

```
.background{ background-color: rgb(128, 0,  
246) }
```

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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