

Converting Colors

CIELCh(40, 108.597, 312.592)

Have a look what the booklet for
CIELCh(40, 108.597, 312.592)
contains.

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Color

CIELCh(40, 108.660, 312.563)

Conversions

Conversions Part 1

Format	Color
Hex	821DE5
RGB	130, 29, 229
RGB Percent	51%, 11%, 90%
CMY	0.4908, 0.8871, 0.1025
CMYK	0.43, 0.87, 0.00, 0.10
HSL	270°, 79%, 51%
HSV	270°, 87%, 90%
XYZ	23.7384, 11.2510, 74.9412
YIQ	81.9990, -4.0040, 83.6120

Conversions

Conversions Part 2

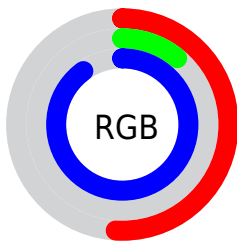
Format	Color
R _{YB}	130, 29, 229
Decimal	8527333
CIE Lab	40.00, 73.50, -80.03
CIE LCh	40, 108.660, 312.563
Yxy	11.2510, 0.2159, 0.1023
Android (android.graphics.Color)	4286717413 (0xFF821DE5)
YUV	81.9990, 72.4715, 42.0969
Hunter-Lab	33.5425, 67.6271, -108.9870

Details

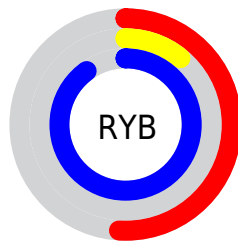
The CIELCh color **40, 108.660, 312.563** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **82, 95.839, 127.128**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 93.199, 315.473**, and **24, 95.118, 309.637** is the 20% darker color. If you saturate the color by 10%, you get **37, 113.934, 312.020**, and if you desaturate by 10%, it is **44, 100.168, 312.699**.

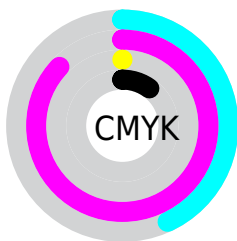
Distribution



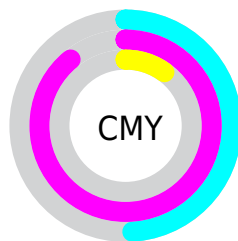
- Red (51%)
- Green (11%)
- Blue (90%)



- Red (51%)
- Yellow (11%)
- Blue (90%)



- Cyan (43%)
- Magenta (87%)
- Yellow (0%)
- Black (10%)





- Cyan (49%)
- Magenta (89%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 108.660, 312.563 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, 108.660, 312.563 by changing the saturation by 10% instead.


 40, 108.660,
312.563


 40, 108.660,
312.563


 100, 108.660,
312.563


 30, 108.660,
312.563


 60, 108.660,
312.563


 20, 108.660,
312.563

 70, 108.660,
312.563


 10, 108.660,
312.563

 80, 108.660,
312.563

 0, 108.660,
312.563

 90, 108.660,
312.563

 40, 108.660,

 40, 108.660,

312.563

312.563

■ 37, 113.934,
312.020

■ 44, 100.168,
312.699

■ 37, 115.026,
311.859

■ 49, 89.166,
312.518

■ 54, 76.589,
312.135

■ 60, 63.204,
311.643

■ 66, 49.538,
311.106

■ 73, 35.916,
310.567

■ 79, 22.525,
310.049

■ 86, 9.461, 309.562

Harmonies

Complementary

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



40, 108.660, 312.563



82, 95.839, 127.128

Rectangle

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



40, 108.660, 312.563



40, 108.660, 2.563



40, 108.660, 132.563



40, 108.660, 182.563

Sweetspot

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



40, 108.660, 312.564



81, 37.124, 310.500



54, 58.988, 279.027



41, 25.270, 310.685



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, 108.660, 312.564



41, 124.910, 311.791



55, 103.466, 328.135



45, 7.280, 309.659



28, 95.350, 312.043



4, 35.658, 311.217

Inverse Universe

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



51, 76.022, 358.152



55, 84.576, 3.444



80, 106.708, 136.523



45, 5.833, 344.679



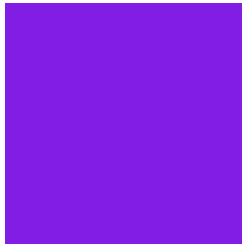
38, 64.808, 2.368



7, 27.562, 355.321

Previews

White Background



This preview shows how the CIELCh color 40, 108.660, 312.563 looks on a white background.

Color Contrast Check

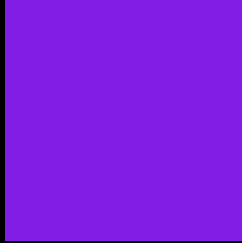
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.660, 312.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

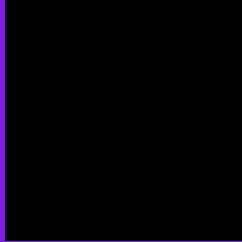
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 108.660, 312.563

Background



This preview shows how black text looks on a background with the CIELCh color 40, 108.660, 312.563.



This preview shows how white text looks on a background with the CIELCh color 40, 108.660, 312.563.

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

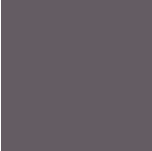
40, 108.660, 312.563

Protanopia

40, 61.601, 286.649

Deuteranopia

40, 43.289, 273.527



Tritanopia
40, 5.438, 328.449

Trichromacy



Original Color
40, 108.660, 312.563

Protanomaly
36, 83.197, 299.050

Deuteranomaly
36, 71.150, 296.490

Tritanomaly
37, 48.954, 313.068

Monochromacy



Original Color
40, 108.660, 312.563

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 46.275, 311.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 108.660, 312.563 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(130, 29, 229)` looks like.

```
.text, #text, p{  
  color:rgb(130, 29, 229)  
}
```

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(130, 29, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 29, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 108.660, 312.563 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(130, 29, 229) }
```

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

```
.border{ border-color:rgb(130, 29, 229) }
```

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

Here you see how a box with a 4 pixel rgb(130, 29, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 29, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 29, 229);  
box-shadow:4px 4px 4px 4px rgb(130, 29,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 108.660, 312.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 29, 229) }
```

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

```
.background{ background-color: rgb(130, 29,  
229) }
```

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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