

Converting Colors

CIELCh(40, 115.168, 313.790)

Have a look what the booklet for
CIELCh(40, 115.168, 313.790)
contains.

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Color

CIELCh(40, 114.959, 313.849)

Conversions

Conversions Part 1

Format	Color
Hex	8900EA
RGB	137, 0, 234
RGB Percent	54%, 0%, 92%
CMY	0.4629, 1.0000, 0.0825
CMYK	0.41, 1.00, 0.00, 0.08
HSL	275°, 100%, 46%
HSV	275°, 100%, 92%
XYZ	25.1546, 11.2510, 78.6588
YIQ	67.6390, 6.5380, 101.8180

Conversions

Conversions Part 2

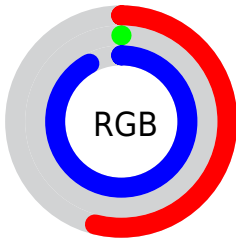
Format	Color
RYB	137, 0, 234
Decimal	8978666
CIELab	40.00, 79.64, -82.90
CIELCh	40, 114.959, 313.849
Yxy	11.2510, 0.2186, 0.0978
Android (android.graphics.Color)	4287168746 (0xFF8900EA)
YUV	67.6390, 82.0160, 60.8296
Hunter-Lab	33.5425, 75.1638, -115.5584

Details

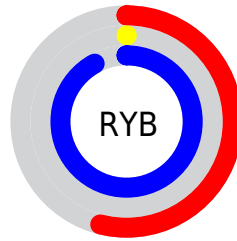
The CIELCh color **40, 114.959, 313.849** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **83, 105.206, 130.819**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **57, 97.571, 317.346**, and **26, 96.622, 310.126** is the 20% darker color. If you saturate the color by 10%, you get **40, 114.946, 313.847**, and if you desaturate by 10%, it is **42, 110.737, 314.515**.

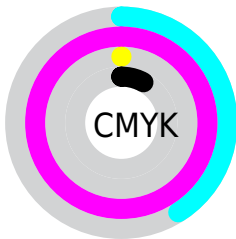
Distribution



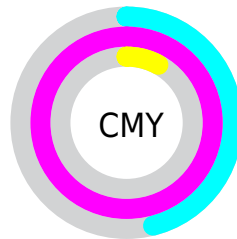
- Red (54%)
- Green (0%)
- Blue (92%)



- Red (54%)
- Yellow (0%)
- Blue (92%)



- Cyan (41%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (46%)
- Magenta (100%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 114.959, 313.849 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, 114.959, 313.849 by changing the saturation by 10% instead.


 40, 114.959,
313.849


 40, 114.959,
313.849


 100, 114.959,
313.849


 30, 114.959,
313.849


 60, 114.959,
313.849


 20, 114.959,
313.849


 70, 114.959,
313.849


 10, 114.959,
313.849

 80, 114.959,
313.849

 0, 114.959,
313.849

 90, 114.959,
313.849

 40, 114.959,

 40, 114.959,

313.849

313.849

■ 40, 114.946,
313.847

■ 42, 110.737,
314.515

■ 46, 103.565,
314.845

■ 50, 93.567,
314.850

■ 55, 81.571,
314.626

■ 61, 68.378,
314.259

■ 67, 54.606,
313.816

■ 73, 40.673,
313.342

■ 80, 26.839,
312.867

■ 86, 13.258,
312.407

Harmonies

Complementary

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



40, 114.959, 313.849



83, 105.206, 130.819

Rectangle

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



40, 114.959, 313.849



40, 114.959, 3.849



40, 114.959, 133.849



40, 114.959, 183.849

Sweetspot

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



40, 114.946, 313.847



79, 43.619, 313.348



45, 80.726, 291.857



39, 29.861, 313.551



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, 114.946, 313.847



44, 122.734, 313.795



54, 101.326, 331.914



46, 7.543, 312.383



30, 94.729, 314.030



5, 38.087, 314.497

Inverse Universe

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



50, 79.384, 11.110



54, 84.766, 11.380



81, 110.681, 136.586



46, 5.641, 349.330



38, 65.428, 10.171



8, 28.018, 1.797

Previews

White Background



This preview shows how the CIELCh color 40, 114.959, 313.849 looks on a white background.

Color Contrast Check

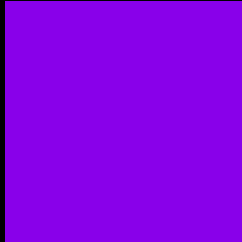
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.959, 313.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

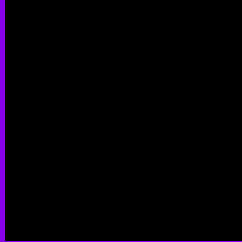
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 114.959, 313.849

Background



This preview shows how black text looks on a background with the CIELCh color 40, 114.959, 313.849.



This preview shows how white text looks on a background with the CIELCh color 40, 114.959, 313.849.

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, 114.959, 313.849

Protanopia

41, 62.022, 286.431

Deuteranopia

41, 43.278, 272.917



Tritanopia
40, 7.984, 348.406

Trichromacy



Original Color
40, 114.959, 313.849

Protanomaly
35, 90.786, 301.486

Deuteranomaly
34, 78.596, 299.625

Tritanomaly
36, 56.738, 317.283

Monochromacy



Original Color
40, 114.959, 313.849

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 54.977, 314.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 114.959, 313.849 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(137, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 234)  
}
```

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(137, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 114.959, 313.849 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(137, 0, 234) }
```

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

```
.border{ border-color:rgb(137, 0, 234) }
```

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

Here you see how a box with a 4 pixel rgb(137, 0, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(137, 0,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 114.959, 313.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 0, 234) }
```

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

```
.background{ background-color: rgb(137, 0,  
234) }
```

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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