

Converting Colors

CIELCh(40, 112.400, 314.876)

Have a look what the booklet for
CIELCh(40, 112.400, 314.876)
contains.

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Color

CIELCh(40, 111.826, 314.901)

Conversions

Conversions Part 1

Format	Color
Hex	8D00E4
RGB	141, 0, 228
RGB Percent	55%, 0%, 89%
CMY	0.4451, 1.0000, 0.1078
CMYK	0.38, 1.00, 0.00, 0.11
HSL	277°, 100%, 45%
HSV	277°, 100%, 89%
XYZ	24.9898, 11.2510, 73.8990
YIQ	68.1510, 10.8480, 100.8000

Conversions

Conversions Part 2

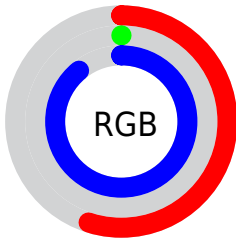
Format	Color
RYB	141, 0, 228
Decimal	9240804
CIELab	40.00, 78.94, -79.21
CIELCh	40, 111.826, 314.901
Yxy	11.2510, 0.2269, 0.1022
Android (android.graphics.Color)	4287430884 (0xFF8D00E4)
YUV	68.1510, 78.8056, 63.8886
Hunter-Lab	33.5425, 74.2865, -107.1449

Details

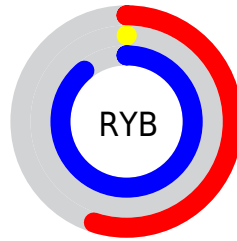
The CIELCh color **40, 111.826, 314.901** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **80, 104.046, 131.704**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 97.120, 317.990**, and **26, 93.189, 311.131** is the 20% darker color. If you saturate the color by 10%, you get **40, 111.665, 314.877**, and if you desaturate by 10%, it is **42, 107.712, 315.536**.

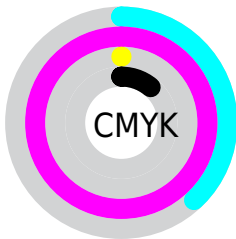
Distribution



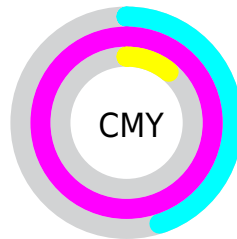
- Red (55%)
- Green (0%)
- Blue (89%)



- Red (55%)
- Yellow (0%)
- Blue (89%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (45%)
- Magenta (100%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 111.826, 314.901 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, 111.826, 314.901 by changing the saturation by 10% instead.


 40, 111.826,
314.901


 40, 111.826,
314.901


 100, 111.826,
314.901


 30, 111.826,
314.901


 60, 111.826,
314.901


 20, 111.826,
314.901


 70, 111.826,
314.901


 10, 111.826,
314.901

 80, 111.826,
314.901

 0, 111.826,
314.901

 90, 111.826,
314.901

 40, 111.826,

 40, 111.826,

314.901

314.901

■ 40, 111.665,
314.877

■ 42, 107.712,
315.536

■ 45, 100.939,
315.878

■ 49, 91.407,
315.913

■ 54, 79.870,
315.724

■ 60, 67.088,
315.390

■ 65, 53.665,
314.976

■ 72, 40.026,
314.524

■ 78, 26.440,
314.065

■ 84, 13.071,
313.616

Harmonies

Complementary

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



40, 111.826, 314.901



80, 104.046, 131.704

Rectangle

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



40, 111.826, 314.901



40, 111.826, 4.901



40, 111.826, 134.901



40, 111.826, 184.901

Sweetspot

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



40, 111.665, 314.877



79, 43.911, 314.533



42, 83.756, 294.096



39, 30.044, 314.726



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, 111.665, 314.877



45, 121.781, 314.809



53, 96.636, 333.578



45, 7.471, 313.592



31, 93.021, 315.047



5, 36.347, 315.377

Inverse Universe

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



48, 78.336, 14.594



54, 85.486, 14.974



79, 107.375, 136.968



45, 5.420, 351.603



38, 65.171, 13.642



7, 26.824, 3.759

Previews

White Background



This preview shows how the CIE LCh color 40, 111.826, 314.901 looks on a white background.

Color Contrast Check

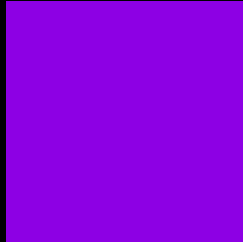
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.826, 314.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

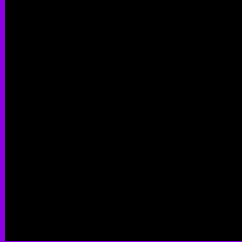
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 111.826, 314.901

Background



This preview shows how black text looks on a background with the CIELCh color 40, 111.826, 314.901.



This preview shows how white text looks on a background with the CIELCh color 40, 111.826, 314.901.

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, 111.928, 314.776

Protanopia

41, 62.022, 286.431

Deuteranopia

41, 43.795, 273.417



Tritanopia
41, 11.891, 0.345

Trichromacy



Original Color
40, 111.928, 314.776

Protanomaly
35, 89.698, 301.475

Deuteranomaly
34, 78.017, 299.662

Tritanomaly
37, 56.159, 320.602

Monochromacy



Original Color
40, 111.928, 314.776

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 53.932, 315.935

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 111.826, 314.901 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(141, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(141, 0, 228)  
}
```

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(141, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 0, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 111.826, 314.901 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(141, 0, 228) }
```

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

```
.border{ border-color:rgb(141, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(141, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(141, 0,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 111.826, 314.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 0, 228) }
```

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

```
.background{ background-color: rgb(141, 0,  
228) }
```

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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