

Converting Colors

CIELCh(40, 108.558, 316.214)

Have a look what the booklet for
CIELCh(40, 108.558, 316.214)
contains.

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Color

CIELCh(40, 107.939, 316.126)

Conversions

Conversions Part 1

Format	Color
Hex	9200DC
RGB	146, 0, 220
RGB Percent	57%, 0%, 86%
CMY	0.4280, 1.0000, 0.1378
CMYK	0.34, 1.00, 0.00, 0.14
HSL	280°, 100%, 43%
HSV	280°, 100%, 86%
XYZ	24.7270, 11.2510, 68.4873
YIQ	68.7340, 16.3960, 99.3720

Conversions

Conversions Part 2

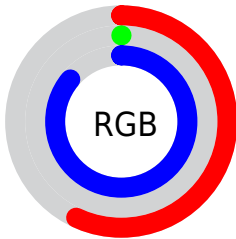
Format	Color
RYB	146, 0, 220
Decimal	9568476
CIELab	40.00, 77.81, -74.81
CIELCh	40, 107.939, 316.126
Yxy	11.2510, 0.2367, 0.1077
Android (android.graphics.Color)	4287758556 (0xFF9200DC)
YUV	68.7340, 74.5741, 67.7623
Hunter-Lab	33.5425, 72.8882, -97.5791

Details

The CIELCh color **40, 107.939, 316.126** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **78, 102.464, 132.590**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 97.143, 318.701**, and **26, 89.248, 312.423** is the 20% darker color. If you saturate the color by 10%, you get **40, 107.895, 316.120**, and if you desaturate by 10%, it is **42, 104.223, 316.751**.

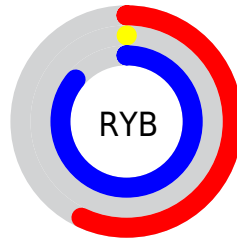
Distribution



Red (57%)

Green (0%)

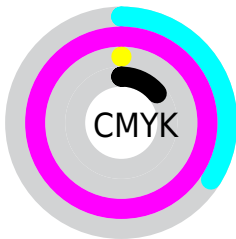
Blue (86%)



Red (57%)

Yellow (0%)

Blue (86%)

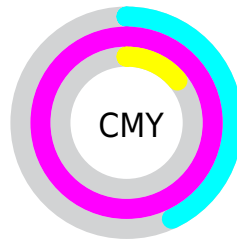


Cyan (34%)

Magenta (100%)

Yellow (0%)

Black (14%)



Cyan (43%)


Magenta (100%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 107.939, 316.126 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, 107.939, 316.126 by changing the saturation by 10% instead.


 40, 107.939,
316.126


 40, 107.939,
316.126


 100, 107.939,
316.126


 30, 107.939,
316.126


 60, 107.939,
316.126


 20, 107.939,
316.126


 70, 107.939,
316.126

 10, 107.939,
316.126

 80, 107.939,
316.126

 0, 107.939,
316.126

 90, 107.939,
316.126

 40, 107.939,

 40, 107.939,

316.126

316.126

■ 40, 107.895,
316.120

■ 42, 104.223,
316.751

■ 45, 97.889,
317.093

■ 49, 88.876,
317.146

■ 53, 77.859,
316.984

■ 58, 65.548,
316.679

■ 64, 52.534,
316.289

■ 70, 39.242,
315.856

■ 76, 25.953,
315.410

■ 82, 12.842,
314.967

Harmonies

Complementary

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



40, 107.939, 316.126



78, 102.464, 132.590

Rectangle

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



40, 107.939, 316.126



40, 107.939, 6.126



40, 107.939, 136.126



40, 107.939, 186.126

Sweetspot

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



40, 107.895, 316.120



80, 44.263, 315.867



39, 86.169, 296.075



40, 30.267, 316.054



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, 107.895, 316.120



47, 120.743, 316.035



50, 91.773, 335.357



43, 7.270, 314.942



31, 90.279, 316.282



4, 32.532, 315.920

Inverse Universe

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



47, 77.406, 18.448



54, 86.772, 18.967



77, 103.400, 137.465



43, 5.100, 354.307



36, 64.573, 17.455



6, 24.009, 4.966

Previews

White Background



This preview shows how the CIELCh color 40, 107.939, 316.126 looks on a white background.

Color Contrast Check

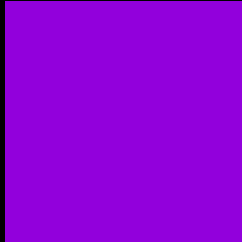
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 40, 107.939, 316.126 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, 107.939, 316.126

Background



This preview shows how black text looks on a background with the CIELCh color 40, 107.939, 316.126.



This preview shows how white text looks on a background with the CIELCh color 40, 107.939, 316.126.

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, 107.939, 316.126

Protanopia

41, 62.022, 286.431

Deuteranopia

41, 44.315, 273.905



Tritanopia
41, 16.503, 9.288

Trichromacy



Original Color
40, 107.939, 316.126



Protanomaly
34, 88.043, 301.505



Deuteranomaly
34, 76.300, 299.684



Tritanomaly
37, 54.837, 324.764

Monochromacy



Original Color
40, 107.939, 316.126



Achromatopsia
29, 0.005, 296.813



Achromatomaly
29, 52.323, 316.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 107.939, 316.126 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(146, 0, 220)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 220)  
}
```

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(146, 0, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 107.939, 316.126 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(146, 0, 220) }
```

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

```
.border{ border-color:rgb(146, 0, 220) }
```

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

Here you see how a box with a 4 pixel rgb(146, 0, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 220);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 107.939, 316.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 220) }
```

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

```
.background{ background-color: rgb(146, 0,  
220) }
```

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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