

Converting Colors

CIELCh(40, 100.086, 319.480)

Have a look what the booklet for
CIELCh(40, 100.086, 319.480)
contains.

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Color

CIELCh(40, 99.759, 319.396)

Conversions

Conversions Part 1

Format	Color
Hex	9B00CB
RGB	155, 0, 203
RGB Percent	61%, 0%, 80%
CMY	0.3927, 1.0000, 0.2045
CMYK	0.24, 1.00, 0.00, 0.20
HSL	286°, 100%, 40%
HSV	286°, 100%, 80%
XYZ	24.2491, 11.2510, 57.3069
YIQ	69.4870, 27.2170, 95.9930

Conversions

Conversions Part 2

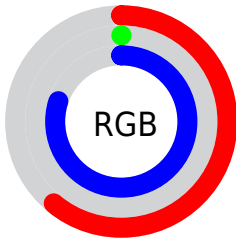
Format	Color
RYB	155, 0, 203
Decimal	10158283
CIELab	40.00, 75.74, -64.93
CIELCh	40, 99.759, 319.396
Yxy	11.2510, 0.2613, 0.1212
Android (android.graphics.Color)	4288348363 (0xFF9B00CB)
YUV	69.4870, 65.8219, 74.9949
Hunter-Lab	33.5425, 70.3447, -77.8165

Details

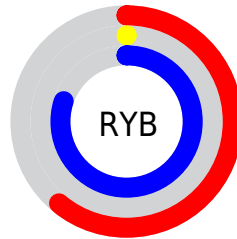
The CIELCh color **40, 99.759, 319.396** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **72, 98.460, 134.245**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 97.227, 320.139**, and **26, 80.409, 316.172** is the 20% darker color. If you saturate the color by 10%, you get **40, 99.710, 319.390**, and if you desaturate by 10%, it is **42, 96.637, 319.890**.

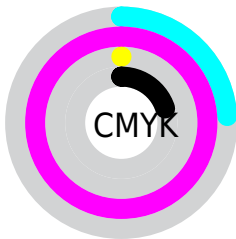
Distribution



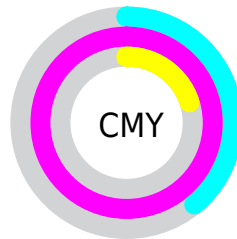
- Red (61%)
- Green (0%)
- Blue (80%)



- Red (61%)
- Yellow (0%)
- Blue (80%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (39%)
- Magenta (100%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 99.759, 319.396 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, 99.759, 319.396 by changing the saturation by 10% instead.


 40, 99.759,
319.396


 40, 99.759,
319.396


 100, 99.759,
319.396


 30, 99.759,
319.396

 60, 99.759,
319.396


 20, 99.759,
319.396

 70, 99.759,
319.396

 10, 99.759,
319.396

 80, 99.759,
319.396

 0, 99.759, 319.396

 90, 99.759,
319.396

 40, 99.759,

 40, 99.759,

319.396

■ 40, 99.710,
319.390

319.396

■ 42, 96.637,
319.890

■ 44, 91.240,
320.166

■ 47, 83.344,
320.207

■ 51, 73.457,
320.062

■ 55, 62.182,
319.784

■ 60, 50.067,
319.418

■ 65, 37.537,
319.003

■ 71, 24.896,
318.564

■ 76, 12.346,
318.117

Harmonies

Complementary

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



40, 99.759, 319.396



72, 98.460, 134.245

Rectangle

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



40, 99.759, 319.396



40, 99.759, 9.396



40, 99.759, 139.396



40, 99.759, 189.396

Sweetspot

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



40, 99.710, 319.390



80, 45.200, 319.020



31, 93.404, 300.798



40, 30.861, 319.201



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, 99.710, 319.390



50, 118.526, 319.283



46, 80.252, 341.466



40, 7.031, 318.090



32, 85.763, 319.506



4, 26.575, 317.779

Inverse Universe

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



43, 76.651, 26.972



54, 91.656, 27.795



71, 92.490, 139.617



40, 4.580, 1.325



34, 65.526, 26.076



4, 18.323, 7.920

Previews

White Background



This preview shows how the CIELCh color 40, 99.759, 319.396 looks on a white background.

Color Contrast Check

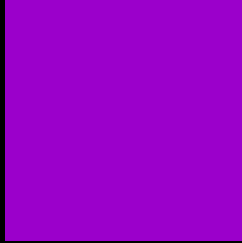
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.759, 319.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

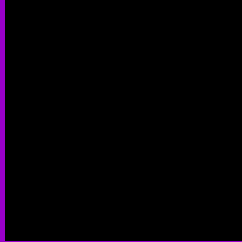
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 99.759, 319.396

Background



This preview shows how black text looks on a background with the CIELCh color 40, 99.759, 319.396.



This preview shows how white text looks on a background with the CIELCh color 40, 99.759, 319.396.

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, 99.759, 319.396

Protanopia

41, 62.580, 286.667

Deuteranopia

41, 45.361, 274.849



Tritanopia
41, 26.067, 15.718

Trichromacy



Original Color
40, 99.759, 319.396

Protanomaly
34, 84.736, 301.519

Deuteranomaly
34, 73.989, 299.788

Tritanomaly
37, 54.416, 333.236

Monochromacy



Original Color
40, 99.759, 319.396

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 49.303, 319.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 99.759, 319.396 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(155, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(155, 0, 203)  
}
```

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(155, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 0, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 99.759, 319.396 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(155, 0, 203) }
```

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

```
.border{ border-color:rgb(155, 0, 203) }
```

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

Here you see how a box with a 4 pixel rgb(155, 0, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(155, 0,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 99.759, 319.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 0, 203) }
```

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

```
.background{ background-color: rgb(155, 0,  
203) }
```

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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