

Converting Colors

CIELCh(41, 100.568, 319.627)

Have a look what the booklet for
CIELCh(41, 100.568, 319.627)
contains.

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Color

CIELCh(41, 100.496, 319.644)

Conversions

Conversions Part 1

Format	Color
Hex	9F02CE
RGB	159, 2, 206
RGB Percent	62%, 1%, 81%
CMY	0.3766, 0.9924, 0.1923
CMYK	0.23, 0.99, 0.00, 0.19
HSL	286°, 98%, 41%
HSV	286°, 99%, 81%
XYZ	25.4503, 11.8645, 59.3242
YIQ	72.1990, 28.0880, 96.7280

Conversions

Conversions Part 2

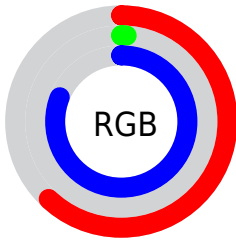
Format	Color
RYB	159, 2, 206
Decimal	10420942
CIELab	41.00, 76.58, -65.07
CIELCh	41, 100.496, 319.644
Yxy	11.8645, 0.2634, 0.1228
Android (android.graphics.Color)	4288611022 (0xFF9F02CE)
YUV	72.1990, 65.9639, 76.1245
Hunter-Lab	34.4449, 71.6095, -78.0032

Details

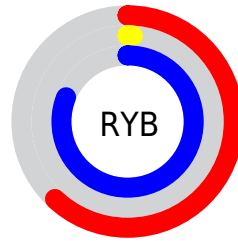
The CIELCh color **41, 100.496, 319.644** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **73, 99.418, 134.307**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 96.403, 320.778**, and **27, 80.931, 316.697** is the 20% darker color. If you saturate the color by 10%, you get **41, 100.754, 319.597**, and if you desaturate by 10%, it is **43, 97.320, 320.127**.

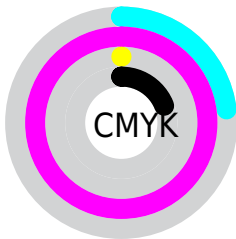
Distribution



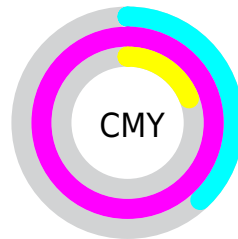
- Red (62%)
- Green (1%)
- Blue (81%)



- Red (62%)
- Yellow (1%)
- Blue (81%)



- Cyan (23%)
- Magenta (99%)
- Yellow (0%)
- Black (19%)





- Cyan (38%)
- Magenta (99%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 100.496, 319.644 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 41, 100.496, 319.644 by changing the saturation by 10% instead.


 41, 100.496,
319.644


 41, 100.496,
319.644


 100, 100.496,
319.644


 31, 100.496,
319.644


 61, 100.496,
319.644


 21, 100.496,
319.644


 71, 100.496,
319.644

 11, 100.496,
319.644


 81, 100.496,
319.644

 1, 100.496,
319.644

 91, 100.496,
319.644

 0, 100.496,
319.644

 41, 100.496,

 41, 100.496,

319.644

319.644

■ 41, 100.754,
319.597

■ 43, 97.320,
320.127

■ 45, 91.664,
320.376

■ 48, 83.511,
320.396

■ 52, 73.382,
320.236

■ 57, 61.886,
319.949

■ 62, 49.570,
319.577

■ 67, 36.857,
319.158

■ 72, 24.047,
318.717

■ 78, 11.336,
318.268

Harmonies

Complementary

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



41, 100.496, 319.644



73, 99.418, 134.307

Rectangle

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



41, 100.496, 319.644



41, 100.496, 9.644



41, 100.496, 139.644



41, 100.496, 189.644

Sweetspot

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



41, 100.495, 319.644



80, 45.263, 319.215



31, 95.673, 301.236



40, 30.901, 319.396



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 100.495, 319.644



51, 118.403, 319.499



46, 80.179, 342.482



40, 7.043, 318.282



32, 85.677, 319.717



4, 26.641, 318.060

Inverse Universe

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



43, 77.390, 27.061



54, 92.028, 28.297



73, 92.180, 140.190



40, 4.568, 1.787



34, 65.773, 26.586



4, 18.303, 8.215

Previews

White Background



This preview shows how the CIE LCh color 41, 100.496, 319.644 looks on a white background.

Color Contrast Check

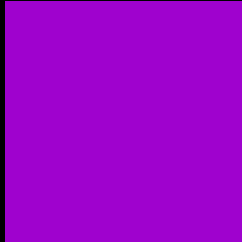
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 100.496, 319.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

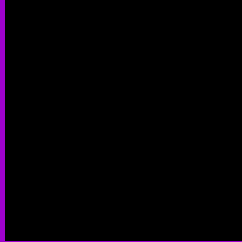
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 100.496, 319.644

Background



This preview shows how black text looks on a background with the CIELCh color 41, 100.496, 319.644.



This preview shows how white text looks on a background with the CIELCh color 41, 100.496, 319.644.

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

41, 100.496, 319.644

Protanopia

42, 64.112, 286.911

Deuteranopia

42, 46.382, 275.175



Tritanopia
42, 26.853, 16.038

Trichromacy



Original Color

41, 100.496, 319.644



Protanomaly

35, 86.152, 301.493



Deuteranomaly

34, 74.335, 299.682



Tritanomaly

38, 54.845, 334.318

Monochromacy



Original Color

41, 100.496, 319.644



Achromatopsia

31, 0.005, 296.813



Achromatomaly

30, 49.271, 320.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 100.496, 319.644 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(159, 2, 206)` looks like.

```
.text, #text, p{  
    color:rgb(159, 2, 206)  
}
```

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(159, 2, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 2, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 100.496, 319.644 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(159, 2, 206) }
```

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

```
.border{ border-color:rgb(159, 2, 206) }
```

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

Here you see how a box with a 4 pixel rgb(159, 2, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 2, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 2, 206);  
box-shadow:4px 4px 4px 4px rgb(159, 2,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 100.496, 319.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 2, 206) }
```

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

```
.background{ background-color: rgb(159, 2,  
206) }
```

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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