

Converting Colors

CIELCh(42, 99.397, 321.059)

Have a look what the booklet for
CIELCh(42, 99.397, 321.059)
contains.

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Color

CIELCh(42, 99.251, 321.133)

Conversions

Conversions Part 1

Format	Color
Hex	A601CC
RGB	166, 1, 204
RGB Percent	65%, 0%, 80%
CMY	0.3488, 0.9954, 0.1998
CMYK	0.19, 0.99, 0.00, 0.20
HSL	289°, 99%, 40%
HSV	289°, 99%, 80%
XYZ	26.6548, 12.5000, 58.1670
YIQ	73.4770, 33.1770, 98.1130

Conversions

Conversions Part 2

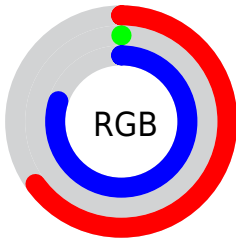
Format	Color
RYB	166, 1, 204
Decimal	10879436
CIELab	42.00, 77.28, -62.28
CIElCh	42, 99.251, 321.133
Yxy	12.5000, 0.2739, 0.1284
Android (android.graphics.Color)	4289069516 (0xFFA601CC)
YUV	73.4770, 64.3478, 81.1427
Hunter-Lab	35.3553, 72.7016, -72.7959

Details

The CIELCh color **42, 99.251, 321.133** 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, 99.516, 134.848**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 96.149, 322.220**, and **28, 79.788, 318.310** is the 20% darker color. If you saturate the color by 10%, you get **42, 99.397, 321.109**, and if you desaturate by 10%, it is **43, 96.348, 321.542**.

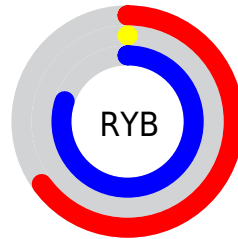
Distribution



Red (65%)

Green (0%)

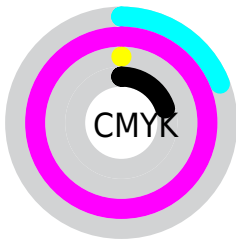
Blue (80%)



Red (65%)

Yellow (0%)

Blue (80%)

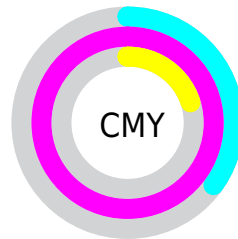


Cyan (19%)

Magenta (99%)

Yellow (0%)

Black (20%)



Cyan (35%)


Magenta (100%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 99.251, 321.133 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 42, 99.251, 321.133 by changing the saturation by 10% instead.


 42, 99.251,
321.133


 42, 99.251,
321.133


 100, 99.251,
321.133


 32, 99.251,
321.133

 62, 99.251,
321.133


 22, 99.251,
321.133

 72, 99.251,
321.133

 12, 99.251,
321.133

 82, 99.251,
321.133

 2, 99.251, 321.133

 92, 99.251,
321.133

 0, 99.251, 321.133

 42, 99.251,

 42, 99.251,

321.133

321.133

■ 42, 99.397,
321.109

■ 43, 96.348,
321.542

■ 46, 91.076,
321.750

■ 49, 83.308,
321.751

■ 52, 73.503,
321.585

■ 57, 62.240,
321.295

■ 61, 50.063,
320.923

■ 66, 37.409,
320.499

■ 71, 24.598,
320.051

■ 77, 11.847,
319.591

Harmonies

Complementary

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



42, 99.251, 321.133



72, 99.516, 134.848

Rectangle

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



42, 99.251, 321.133



42, 99.251, 11.133



42, 99.251, 141.133



42, 99.251, 191.133

Sweetspot

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



42, 99.250, 321.133



81, 45.708, 320.542



29, 99.006, 302.484



40, 31.184, 320.725



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 99.250, 321.133



52, 117.617, 321.022



45, 77.909, 344.924



40, 7.128, 319.589



34, 85.133, 321.207



4, 27.102, 319.955

Inverse Universe

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



43, 79.186, 30.511



53, 94.720, 31.533



72, 89.662, 141.104



40, 4.497, 5.026



34, 67.589, 29.914



4, 18.180, 10.263

Previews

White Background



This preview shows how the CIELCh color 42, 99.251, 321.133 looks on a white background.

Color Contrast Check

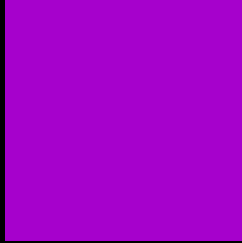
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 99.251, 321.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

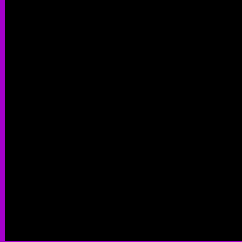
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 99.251, 321.133

Background



This preview shows how black text looks on a background with the CIELCh color 42, 99.251, 321.133.



This preview shows how white text looks on a background with the CIELCh color 42, 99.251, 321.133.

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

42, 99.251, 321.133

Protanopia

43, 65.013, 286.709

Deuteranopia

43, 48.450, 276.329



Tritanopia
42, 30.892, 17.758

Trichromacy



Original Color
42, 99.251, 321.133

Protanomaly
36, 85.955, 301.346

Deuteranomaly
35, 75.321, 299.846

Tritanomaly
39, 55.947, 337.322

Monochromacy



Original Color
42, 99.251, 321.133

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 48.862, 321.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 99.251, 321.133 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(166, 1, 204)` looks like.

```
.text, #text, p{  
    color:rgb(166, 1, 204)  
}
```

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(166, 1, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 1, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 99.251, 321.133 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(166, 1, 204) }
```

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

```
.border{ border-color:rgb(166, 1, 204) }
```

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

Here you see how a box with a 4 pixel rgb(166, 1, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 1, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 1, 204);  
box-shadow:4px 4px 4px 4px rgb(166, 1,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 99.251, 321.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 1, 204) }
```

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

```
.background{ background-color: rgb(166, 1,  
204) }
```

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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