

Converting Colors

CIELCh(42, 98.108, 321.768)

Have a look what the booklet for
CIELCh(42, 98.108, 321.768)
contains.

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Color

CIELCh(42, 97.923, 321.755)

Conversions

Conversions Part 1

Format	Color
Hex	A702C9
RGB	167, 2, 201
RGB Percent	65%, 1%, 79%
CMY	0.3443, 0.9936, 0.2110
CMYK	0.17, 0.99, 0.00, 0.21
HSL	290°, 98%, 40%
HSV	290°, 99%, 79%
XYZ	26.5642, 12.5000, 56.3953
YIQ	74.0210, 34.4610, 96.8690

Conversions

Conversions Part 2

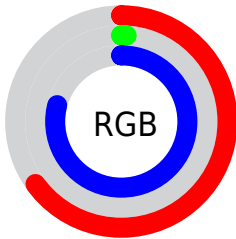
Format	Color
RYB	167, 2, 201
Decimal	10945225
CIELab	42.00, 76.91, -60.62
CIELCh	42, 97.923, 321.755
Yxy	12.5000, 0.2783, 0.1309
Android (android.graphics.Color)	4289135305 (0xFFA702C9)
YUV	74.0210, 62.6006, 81.5426
Hunter-Lab	35.3553, 72.2439, -69.8248

Details

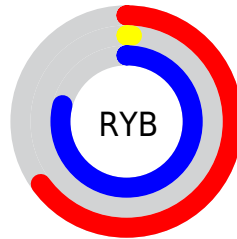
The CIELCh color **42, 97.923, 321.755** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **71, 98.626, 135.017**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 96.149, 322.220**, and **28, 78.319, 319.032** is the 20% darker color. If you saturate the color by 10%, you get **42, 98.125, 321.723**, and if you desaturate by 10%, it is **43, 95.069, 322.125**.

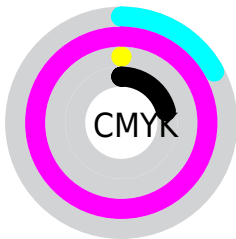
Distribution



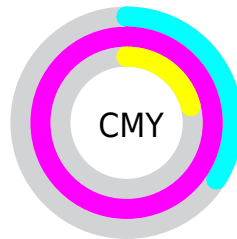
- Red (65%)
- Green (1%)
- Blue (79%)



- Red (65%)
- Yellow (1%)
- Blue (79%)



- Cyan (17%)
- Magenta (99%)
- Yellow (0%)
- Black (21%)





- Cyan (34%)
- Magenta (99%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 97.923, 321.755 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, 97.923, 321.755 by changing the saturation by 10% instead.


 42, 97.923,
321.755


 42, 97.923,
321.755


 100, 97.923,
321.755


 32, 97.923,
321.755

 62, 97.923,
321.755


 22, 97.923,
321.755

 72, 97.923,
321.755

 12, 97.923,
321.755

 82, 97.923,
321.755

 2, 97.923, 321.755

 92, 97.923,
321.755

 0, 97.923, 321.755

 42, 97.923,

 42, 97.923,

321.755

■ 42, 98.125,
321.723

321.755

■ 43, 95.069,
322.125

■ 45, 89.870,
322.302

■ 48, 82.214,
322.284

■ 52, 72.541,
322.106

■ 56, 61.413,
321.809

■ 61, 49.363,
321.432

■ 66, 36.825,
321.004

■ 71, 24.119,
320.551

■ 76, 11.464,
320.085

Harmonies

Complementary

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



42, 97.923, 321.755



71, 98.626, 135.017

Rectangle

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



42, 97.923, 321.755



42, 97.923, 11.755



42, 97.923, 141.755



42, 97.923, 191.755

Sweetspot

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



42, 97.922, 321.755



81, 45.889, 321.059



28, 99.405, 302.932



40, 31.300, 321.244



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, 97.922, 321.755



53, 117.337, 321.638



45, 76.295, 346.104



39, 7.014, 320.094



34, 83.972, 321.816



4, 24.790, 319.763

Inverse Universe

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



42, 79.067, 31.546



53, 95.816, 32.695



71, 87.508, 141.687



39, 4.380, 6.324



34, 67.524, 31.057



3, 16.106, 10.647

Previews

White Background



This preview shows how the CIELCh color 42, 97.923, 321.755 looks on a white background.

Color Contrast Check

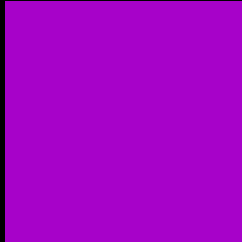
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 97.923, 321.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

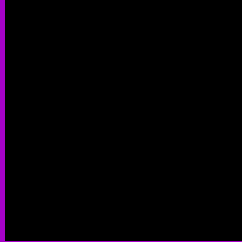
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 97.923, 321.755

Background



This preview shows how black text looks on a background with the CIELCh color 42, 97.923, 321.755.



This preview shows how white text looks on a background with the CIELCh color 42, 97.923, 321.755.

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, 97.810, 321.744

Protanopia

43, 65.013, 286.709

Deuteranopia

43, 48.450, 276.329



Tritanopia
42, 32.356, 19.350

Trichromacy



Original Color
42, 97.810, 321.744



Protanomaly
36, 85.387, 301.403



Deuteranomaly
35, 74.738, 299.917



Tritanomaly
40, 55.570, 338.987

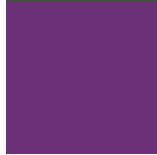
Monochromacy



Original Color
42, 97.810, 321.744



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 48.432, 322.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 97.923, 321.755 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(167, 2, 201)` looks like.

```
.text, #text, p{  
    color:rgb(167, 2, 201)  
}
```

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(167, 2, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 2, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 97.923, 321.755 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(167, 2, 201) }
```

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

```
.border{ border-color:rgb(167, 2, 201) }
```

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

Here you see how a box with a 4 pixel rgb(167, 2, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 2, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 2, 201);  
box-shadow:4px 4px 4px 4px rgb(167, 2,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 97.923, 321.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 2, 201) }
```

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

```
.background{ background-color: rgb(167, 2,  
201) }
```

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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