

Converting Colors

CIELCh(40, 101.670, 322.427)

Have a look what the booklet for
CIELCh(40, 101.670, 322.427)
contains.

CIELCh(42, 96.842, 322.046)	3
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Color

CIELCh(42, 96.842, 322.046)

Conversions

Conversions Part 1

Format	Color
Hex	A704C7
RGB	167, 4, 199
RGB Percent	65%, 2%, 78%
CMY	0.3434, 0.9829, 0.2181
CMYK	0.16, 0.98, 0.00, 0.22
HSL	290°, 96%, 40%
HSV	290°, 98%, 78%
XYZ	26.4314, 12.5000, 55.2901
YIQ	74.9670, 34.5530, 95.2010

Conversions

Conversions Part 2

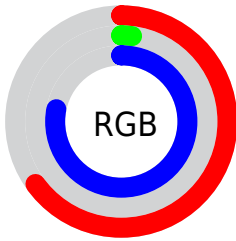
Format	Color
RYB	167, 4, 199
Decimal	10945735
CIELab	42.00, 76.36, -59.56
CIELCh	42, 96.842, 322.046
Yxy	12.5000, 0.2805, 0.1327
Android (android.graphics.Color)	4289135815 (0xFFA704C7)
YUV	74.9670, 61.1483, 80.7129
Hunter-Lab	35.3553, 71.5736, -67.9713

Details

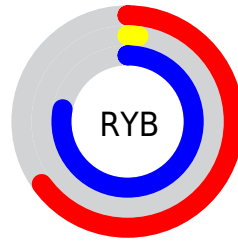
The CIELCh color **42, 96.842, 322.046** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **70, 97.638, 135.061**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 96.149, 322.220**, and **27, 77.401, 319.384** is the 20% darker color. If you saturate the color by 10%, you get **42, 97.378, 321.964**, and if you desaturate by 10%, it is **43, 93.803, 322.383**.

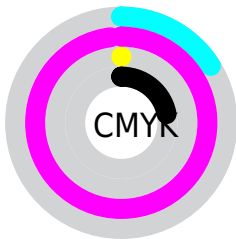
Distribution



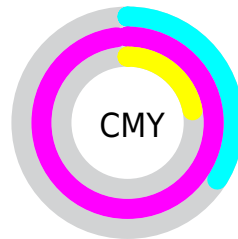
- Red (65%)
- Green (2%)
- Blue (78%)



- Red (65%)
- Yellow (2%)
- Blue (78%)



- Cyan (16%)
- Magenta (98%)
- Yellow (0%)
- Black (22%)





- Cyan (34%)
- Magenta (98%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 96.842, 322.046 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, 96.842, 322.046 by changing the saturation by 10% instead.

 42, 96.842,
322.046


 42, 96.842,
322.046


 100, 96.842,
322.046


 32, 96.842,
322.046

 62, 96.842,
322.046


 22, 96.842,
322.046

 72, 96.842,
322.046

 12, 96.842,
322.046

 82, 96.842,
322.046

 2, 96.842, 322.046

 92, 96.842,
322.046

 0, 96.842, 322.046

 42, 96.842,

 42, 96.842,

322.046

322.046

■ 42, 97.378,
321.964

■ 43, 93.803,
322.383

■ 46, 88.314,
322.522

■ 49, 80.433,
322.474

■ 52, 70.619,
322.274

■ 56, 59.427,
321.962

■ 61, 47.375,
321.574

■ 66, 34.881,
321.140

■ 71, 22.248,
320.683

Harmonies

Complementary

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



42, 96.842, 322.046



70, 97.638, 135.061

Rectangle

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



42, 96.842, 322.046



42, 96.842, 12.046



42, 96.842, 142.046



42, 96.842, 192.046

Sweetspot

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



42, 96.841, 322.046



81, 44.424, 321.212



28, 99.154, 303.119



41, 30.480, 321.402



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, 96.841, 322.046



53, 117.233, 321.877



44, 74.967, 347.066



39, 7.027, 320.288



34, 83.901, 322.049



4, 24.865, 320.063

Inverse Universe

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



42, 78.061, 31.318



53, 96.239, 33.124



71, 85.127, 142.508



39, 4.372, 6.830



34, 67.815, 31.509



3, 16.090, 10.978

Previews

White Background



This preview shows how the CIELCh color 42, 96.842, 322.046 looks on a white background.

Color Contrast Check

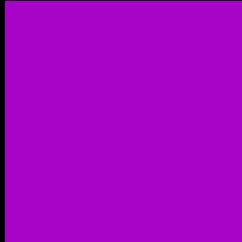
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.842, 322.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

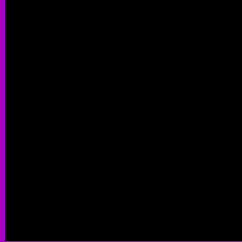
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 96.842, 322.046

Background



This preview shows how black text looks on a background with the CIELCh color 42, 96.842, 322.046.



This preview shows how white text looks on a background with the CIELCh color 42, 96.842, 322.046.

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, 96.745, 322.029

Protanopia

43, 65.636, 287.142

Deuteranopia

43, 48.450, 276.329



Tritanopia
42, 33.217, 18.687

Trichromacy



Original Color
42, 96.745, 322.029



Protanomaly
36, 85.387, 301.403



Deuteranomaly
35, 74.097, 299.649



Tritanomaly
40, 55.402, 339.833

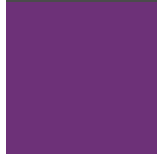
Monochromacy



Original Color
42, 96.745, 322.029



Achromatopsia
32, 0.005, 296.813



Achromatomaly
31, 47.908, 322.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 96.842, 322.046 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, 4, 199)` looks like.

```
.text, #text, p{  
    color:rgb(167, 4, 199)  
}
```

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, 4, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 4, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 96.842, 322.046 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, 4, 199) }
```

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

```
.border{ border-color:rgb(167, 4, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 4, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 4, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 4, 199);  
box-shadow:4px 4px 4px 4px rgb(167, 4,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 96.842, 322.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 4, 199) }
```

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

```
.background{ background-color: rgb(167, 4,  
199) }
```

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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