

Converting Colors

CIELCh(42, 100.565, 320.483)

Have a look what the booklet for
CIELCh(42, 100.565, 320.483)
contains.

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Color

CIELCh(42, 100.589, 320.536)

Conversions

Conversions Part 1

Format	Color
Hex	A501CF
RGB	165, 1, 207
RGB Percent	65%, 0%, 81%
CMY	0.3534, 0.9974, 0.1887
CMYK	0.20, 1.00, 0.00, 0.19
HSL	288°, 99%, 41%
HSV	288°, 100%, 81%
XYZ	26.7478, 12.5000, 59.9618
YIQ	73.5200, 31.6180, 98.8340

Conversions

Conversions Part 2

Format	Color
RYB	165, 1, 207
Decimal	10813903
CIELab	42.00, 77.66, -63.93
CIELCh	42, 100.589, 320.536
Yxy	12.5000, 0.2696, 0.1260
Android (android.graphics.Color)	4289003983 (0xFFA501CF)
YUV	73.5200, 65.8056, 80.2280
Hunter-Lab	35.3553, 73.1707, -75.8057

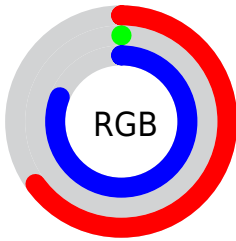
Details

The CIELCh color **42, 100.589, 320.536** is a dark color, and the websafe version is hex **9900CC**.

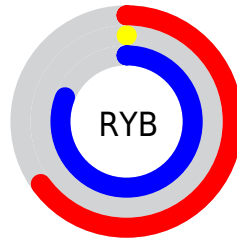
The color can be described as dark washed purple. A complement of this color would be **73, 100.390, 134.673**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 96.121, 322.034**, and **28, 80.804, 317.782** is the 20% darker color. If you saturate the color by 10%, you get **42, 100.672, 320.521**, and if you desaturate by 10%, it is **43, 97.638, 320.982**.

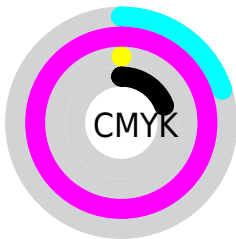
Distribution



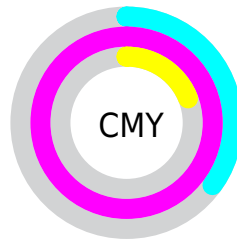
- Red (65%)
- Green (0%)
- Blue (81%)



- Red (65%)
- Yellow (0%)
- Blue (81%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)





- Cyan (35%)
- Magenta (100%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 100.589, 320.536 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, 100.589, 320.536 by changing the saturation by 10% instead.


 42, 100.589,
320.536


 42, 100.589,
320.536


 100, 100.589,
320.536


 32, 100.589,
320.536


 62, 100.589,
320.536


 22, 100.589,
320.536


 72, 100.589,
320.536

 12, 100.589,
320.536

 82, 100.589,
320.536

 2, 100.589,
320.536

 92, 100.589,
320.536

 0, 100.589,
320.536

 42, 100.589,

 42, 100.589,

320.536

320.536

■ 42, 100.672,
320.521

■ 43, 97.638,
320.982

■ 46, 92.298,
321.218

■ 49, 84.421,
321.237

■ 53, 74.487,
321.081

■ 57, 63.091,
320.798

■ 62, 50.786,
320.429

■ 67, 38.016,
320.009

■ 72, 25.099,
319.564

■ 78, 12.252,
319.109

Harmonies

Complementary

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



42, 100.589, 320.536



73, 100.390, 134.673

Rectangle

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



42, 100.589, 320.536



42, 100.589, 10.536



42, 100.589, 140.536



42, 100.589, 190.536

Sweetspot

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



42, 100.588, 320.536



81, 45.536, 320.039



30, 98.504, 302.005



40, 31.075, 320.221



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, 100.588, 320.536



52, 117.904, 320.435



46, 79.576, 343.771



41, 7.241, 319.096



34, 86.302, 320.624



4, 29.286, 320.003

Inverse Universe

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



43, 79.327, 29.474



54, 93.674, 30.347



73, 91.800, 140.548



41, 4.616, 3.784



35, 67.675, 28.758



4, 20.221, 10.041

Previews

White Background



This preview shows how the CIELCh color 42, 100.589, 320.536 looks on a white background.

Color Contrast Check

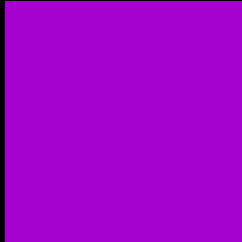
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.589, 320.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

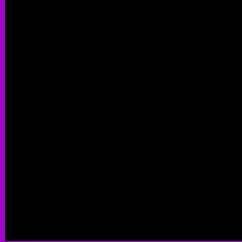
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 100.589, 320.536

Background



This preview shows how black text looks on a background with the CIELCh color 42, 100.589, 320.536.



This preview shows how white text looks on a background with the CIELCh color 42, 100.589, 320.536.

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, 100.589, 320.536

Protanopia

43, 65.013, 286.709

Deuteranopia

43, 47.924, 275.912



Tritanopia
43, 29.952, 17.359

Trichromacy



Original Color
42, 100.589, 320.536



Protanomaly
36, 86.492, 301.387



Deuteranomaly
35, 75.878, 299.904



Tritanomaly
40, 56.043, 336.104

Monochromacy



Original Color
42, 100.589, 320.536



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 49.900, 320.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 100.589, 320.536 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(165, 1, 207)` looks like.

```
.text, #text, p{  
    color:rgb(165, 1, 207)  
}
```

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(165, 1, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 1, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 100.589, 320.536 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(165, 1, 207) }
```

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

```
.border{ border-color:rgb(165, 1, 207) }
```

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

Here you see how a box with a 4 pixel rgb(165, 1, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 1, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 1, 207);  
box-shadow:4px 4px 4px 4px rgb(165, 1,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 100.589, 320.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 1, 207) }
```

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

```
.background{ background-color: rgb(165, 1,  
207) }
```

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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