

Converting Colors

CIELCh(42, 94.801, 323.715)

Have a look what the booklet for
CIELCh(42, 94.801, 323.715)
contains.

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Color

CIELCh(42, 94.893, 323.644)

Conversions

Conversions Part 1

Format	Color
Hex	AB00C2
RGB	171, 0, 194
RGB Percent	67%, 0%, 76%
CMY	0.3303, 1.0000, 0.2401
CMYK	0.12, 1.00, 0.00, 0.24
HSL	293°, 100%, 38%
HSV	293°, 100%, 76%
XYZ	26.4464, 12.5000, 51.9221
YIQ	73.2450, 39.6420, 96.5860

Conversions

Conversions Part 2

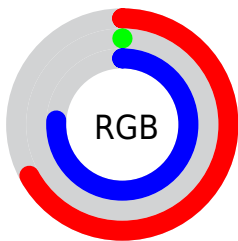
Format	Color
RYB	171, 0, 194
Decimal	11206850
CIELab	42.00, 76.42, -56.25
CIELCh	42, 94.893, 323.644
Yxy	12.5000, 0.2910, 0.1376
Android (android.graphics.Color)	4289396930 (0xFFAB00C2)
YUV	73.2450, 59.5322, 85.7311
Hunter-Lab	35.3553, 71.6493, -62.3233

Details

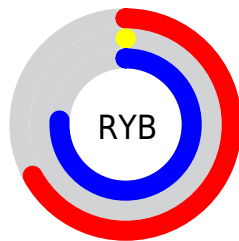
The CIELCh color **42, 94.893, 323.644** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **69, 96.665, 135.447**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 94.593, 323.613**, and **28, 74.808, 321.313** is the 20% darker color. If you saturate the color by 10%, you get **42, 94.811, 323.637**, and if you desaturate by 10%, it is **43, 92.283, 323.890**.

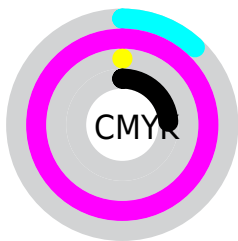
Distribution



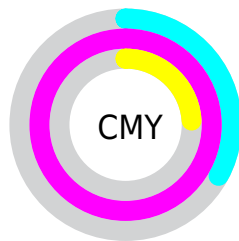
- Red (67%)
- Green (0%)
- Blue (76%)



- Red (67%)
- Yellow (0%)
- Blue (76%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (24%)



- Cyan (33%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 94.893, 323.644 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 42, 94.893, 323.644 by changing the saturation by 10% instead.

 42, 94.893,
323.644

 42, 94.893,
323.644

 100, 94.893,
323.644

 32, 94.893,
323.644

 62, 94.893,
323.644

 22, 94.893,
323.644

 72, 94.893,
323.644

 12, 94.893,
323.644

 82, 94.893,
323.644

 2, 94.893, 323.644

 92, 94.893,
323.644

 0, 94.893, 323.644

 42, 94.893,

 42, 94.893,

323.644

323.644

■ 42, 94.811,
323.637

■ 43, 92.283,
323.890

■ 45, 87.657,
323.995

■ 47, 80.638,
323.935

■ 51, 71.579,
323.733

■ 54, 60.986,
323.422

■ 59, 49.372,
323.032

■ 63, 37.178,
322.592

■ 68, 24.740,
322.122

■ 73, 12.298,
321.638

Harmonies

Complementary

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



42, 94.893, 323.644



69, 96.665, 135.447

Rectangle

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



42, 94.893, 323.644



42, 94.893, 13.644



42, 94.893, 143.644



42, 94.893, 193.644

Sweetspot

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



42, 94.811, 323.637



80, 46.084, 322.614



26, 101.547, 304.344



41, 31.666, 322.807



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, 94.811, 323.637



55, 115.708, 323.567



43, 72.183, 350.188



38, 6.969, 321.607



35, 82.501, 323.698



3, 22.790, 321.100

Inverse Universe

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



40, 79.878, 34.999



53, 98.312, 35.755



69, 82.120, 143.304



38, 4.231, 10.362



33, 68.986, 34.305



3, 14.110, 12.946

Previews

White Background



This preview shows how the CIELCh color 42, 94.893, 323.644 looks on a white background.

Color Contrast Check

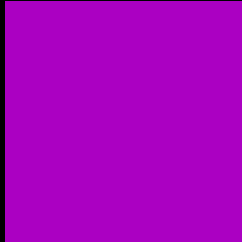
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 42, 94.893, 323.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

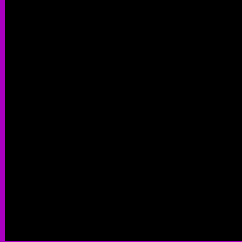
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 94.893, 323.644

Background



This preview shows how black text looks on a background with the CIELCh color 42, 94.893, 323.644.



This preview shows how white text looks on a background with the CIELCh color 42, 94.893, 323.644.

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

42, 94.893, 323.644

Protanopia

43, 65.566, 286.929

Deuteranopia

43, 48.790, 277.560



Tritanopia
43, 36.527, 20.770

Trichromacy



Original Color
42, 94.893, 323.644



Protanomaly
35, 84.886, 301.637



Deuteranomaly
36, 73.343, 301.398



Tritanomaly
40, 56.181, 343.006

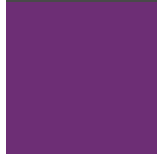
Monochromacy



Original Color
42, 94.893, 323.644



Achromatopsia
31, 0.005, 296.813



Achromatomaly
31, 48.216, 323.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 94.893, 323.644 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(171, 0, 194)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 194)  
}
```

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(171, 0, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 94.893, 323.644 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(171, 0, 194) }
```

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

```
.border{ border-color:rgb(171, 0, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 194);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 94.893, 323.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 194) }
```

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

```
.background{ background-color: rgb(171, 0,  
194) }
```

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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