

Converting Colors

CIELCh(46, 98.031, 325.772)

Have a look what the booklet for
CIELCh(46, 98.031, 325.772)
contains.

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Color

CIELCh(46, 97.678, 325.713)

Conversions

Conversions Part 1

Format	Color
Hex	BE00CB
RGB	190, 0, 203
RGB Percent	75%, 0%, 80%
CMY	0.2547, 0.9994, 0.2038
CMYK	0.06, 1.00, 0.00, 0.20
HSL	296°, 100%, 40%
HSV	296°, 100%, 80%
XYZ	32.0304, 15.2687, 57.7817
YIQ	79.9520, 48.0770, 103.4130

Conversions

Conversions Part 2

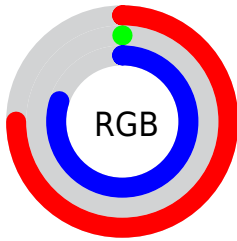
Format	Color
RYB	190, 0, 203
Decimal	12452043
CIELab	46.00, 80.70, -55.03
CIELCh	46, 97.678, 325.713
Yxy	15.2687, 0.3048, 0.1453
Android (android.graphics.Color)	4290642123 (0xFFBE00CB)
YUV	79.9520, 60.6627, 96.5121
Hunter-Lab	39.0751, 77.9372, -60.3215

Details

The CIELCh color **46, 97.678, 325.713** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **71, 100.530, 135.778**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 95.406, 326.669**, and **32, 77.649, 323.871** is the 20% darker color. If you saturate the color by 10%, you get **46, 97.692, 325.712**, and if you desaturate by 10%, it is **47, 95.343, 325.829**.

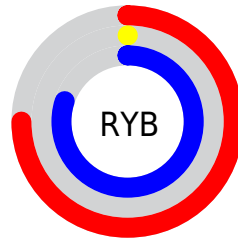
Distribution



Red (75%)

Green (0%)

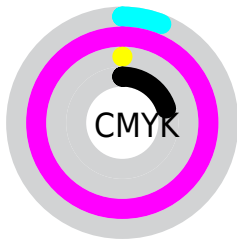
Blue (80%)



Red (75%)

Yellow (0%)

Blue (80%)

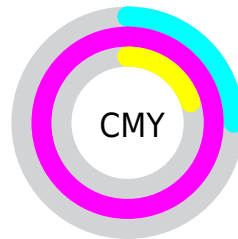


Cyan (6%)

Magenta (100%)

Yellow (0%)

Black (20%)



Cyan (25%)


Magenta (100%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 97.678, 325.713 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 46, 97.678, 325.713 by changing the saturation by 10% instead.


 46, 97.678,
325.713


 46, 97.678,
325.713


 100, 97.678,
325.713


 36, 97.678,
325.713

 66, 97.678,
325.713


 26, 97.678,
325.713

 76, 97.678,
325.713

 16, 97.678,
325.713

 86, 97.678,
325.713

 6, 97.678, 325.713

 96, 97.678,
325.713

 0, 97.678, 325.713

 46, 97.678,

 46, 97.678,

325.713

■ 46, 97.692,
325.712

325.713

■ 47, 95.343,
325.829

■ 48, 90.844,
325.827

■ 51, 83.861,
325.694

■ 54, 74.692,
325.442

■ 58, 63.826,
325.095

■ 62, 51.789,
324.676

■ 66, 39.054,
324.207

■ 71, 25.995,
323.710

■ 76, 12.885,
323.196

Harmonies

Complementary

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



46, 97.678, 325.713



71, 100.530, 135.778

Rectangle

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



46, 97.678, 325.713



46, 97.678, 15.713



46, 97.678, 145.713



46, 97.678, 195.713

Sweetspot

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



46, 97.676, 325.713



82, 47.101, 324.231



26, 109.723, 305.550



41, 32.076, 324.434



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 97.676, 325.713



58, 115.999, 325.679



44, 72.551, 356.052



40, 7.391, 323.168



37, 84.012, 325.748



5, 28.402, 325.038

Inverse Universe

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



42, 85.417, 37.705



53, 102.057, 38.181



72, 80.306, 145.897



40, 4.379, 14.743



34, 72.995, 37.179



4, 17.951, 16.250

Previews

White Background



This preview shows how the CIELCh color 46, 97.678, 325.713 looks on a white background.

Color Contrast Check

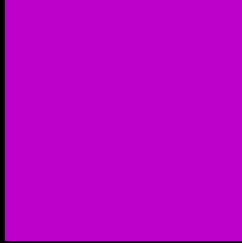
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 97.678, 325.713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

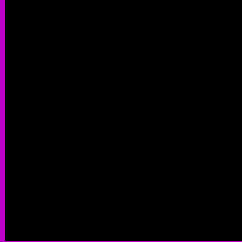
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 97.678, 325.713

Background



This preview shows how black text looks on a background with the CIELCh color 46, 97.678, 325.713.



This preview shows how white text looks on a background with the CIELCh color 46, 97.678, 325.713.

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

46, 97.678, 325.713

Protanopia

47, 70.424, 287.179

Deuteranopia

47, 47.812, 278.742



Tritanopia
46, 42.798, 22.258

Trichromacy



Original Color
46, 97.678, 325.713



Protanomaly
39, 89.616, 301.698



Deuteranomaly
40, 74.556, 305.208



Tritanomaly
44, 60.156, 346.756

Monochromacy



Original Color
46, 97.678, 325.713



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 50.085, 325.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 97.678, 325.713 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(190, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 203)  
}
```

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(190, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 97.678, 325.713 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(190, 0, 203) }
```

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

```
.border{ border-color:rgb(190, 0, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 97.678, 325.713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 203) }
```

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

```
.background{ background-color: rgb(190, 0,  
203) }
```

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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