

Converting Colors

CIELCh(46, 98.113, 325.339)

Have a look what the booklet for
CIELCh(46, 98.113, 325.339)
contains.

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Color

CIELCh(46, 98.013, 325.338)

Conversions

Conversions Part 1

Format	Color
Hex	BD02CC
RGB	189, 2, 204
RGB Percent	74%, 1%, 80%
CMY	0.2577, 0.9923, 0.1990
CMYK	0.07, 0.99, 0.00, 0.20
HSL	296°, 98%, 40%
HSV	296°, 99%, 80%
XYZ	32.0065, 15.2687, 58.5533
YIQ	80.9410, 46.6100, 102.4660

Conversions

Conversions Part 2

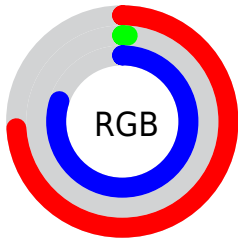
Format	Color
R_{YB}	189, 2, 204
Decimal	12387020
CIE _{Lab}	46.00, 80.62, -55.74
CIE _{LCh}	46, 98.013, 325.338
Yxy	15.2687, 0.3024, 0.1443
Android (android.graphics.Color)	4290577100 (0xFFBD02CC)
YUV	80.9410, 60.6681, 94.7677
Hunter-Lab	39.0751, 77.8283, -61.4922

Details

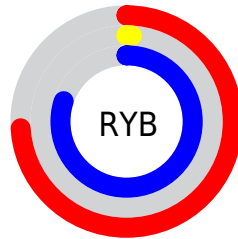
The CIELCh color **46, 98.013, 325.338** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **72, 100.708, 135.756**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 95.352, 326.477**, and **32, 78.135, 323.404** is the 20% darker color. If you saturate the color by 10%, you get **46, 98.211, 325.323**, and if you desaturate by 10%, it is **47, 95.527, 325.476**.

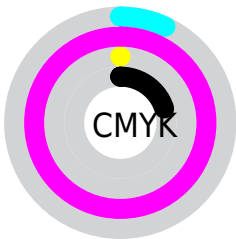
Distribution



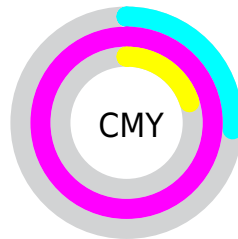
- Red (74%)
- Green (1%)
- Blue (80%)



- Red (74%)
- Yellow (1%)
- Blue (80%)



- Cyan (7%)
- Magenta (99%)
- Yellow (0%)
- Black (20%)





- Cyan (26%)
- Magenta (99%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 98.013, 325.338 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, 98.013, 325.338 by changing the saturation by 10% instead.


 46, 98.013,
325.338


 46, 98.013,
325.338


 100, 98.013,
325.338


 36, 98.013,
325.338

 66, 98.013,
325.338


 26, 98.013,
325.338

 76, 98.013,
325.338

 16, 98.013,
325.338

 86, 98.013,
325.338

 6, 98.013, 325.338

 96, 98.013,
325.338

 0, 98.013, 325.338

 46, 98.013,

 46, 98.013,

325.338

325.338

■ 46, 98.211,
325.323

■ 47, 95.527,
325.476

■ 49, 90.743,
325.484

■ 51, 83.473,
325.354

■ 54, 74.054,
325.104

■ 58, 62.991,
324.756

■ 62, 50.814,
324.338

■ 67, 37.989,
323.871

■ 72, 24.880,
323.378

■ 77, 11.747,
322.867

Harmonies

Complementary

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



46, 98.013, 325.338



72, 100.708, 135.756

Rectangle

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



46, 98.013, 325.338



46, 98.013, 15.338



46, 98.013, 145.338



46, 98.013, 195.338

Sweetspot

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



46, 98.011, 325.338



82, 46.981, 323.937



26, 108.795, 305.221



41, 31.999, 324.138



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, 98.011, 325.338



57, 116.093, 325.286



45, 73.270, 354.297



40, 7.368, 322.885



37, 84.078, 325.365



5, 28.298, 324.643

Inverse Universe

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



43, 84.895, 37.050



53, 101.578, 37.814



72, 81.494, 145.367



40, 4.383, 13.935



34, 72.603, 36.740



4, 17.962, 15.757

Previews

White Background



This preview shows how the CIELCh color 46, 98.013, 325.338 looks on a white background.

Color Contrast Check

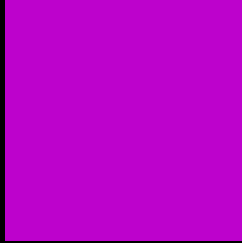
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.013, 325.338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

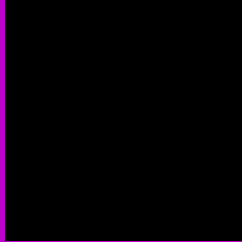
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 98.013, 325.338

Background



This preview shows how black text looks on a background with the CIELCh color 46, 98.013, 325.338.



This preview shows how white text looks on a background with the CIELCh color 46, 98.013, 325.338.

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, 97.914, 325.332

Protanopia

47, 70.424, 287.179

Deuteranopia

47, 48.444, 278.617



Tritanopia
46, 42.239, 21.381

Trichromacy



Original Color
46, 97.914, 325.332



Protanomaly
39, 89.017, 301.499



Deuteranomaly
40, 74.527, 304.604



Tritanomaly
44, 59.816, 346.048

Monochromacy



Original Color
46, 97.914, 325.332



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 49.976, 324.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 98.013, 325.338 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(189, 2, 204)` looks like.

```
.text, #text, p{  
    color:rgb(189, 2, 204)  
}
```

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(189, 2, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 2, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 98.013, 325.338 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(189, 2, 204) }
```

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

```
.border{ border-color:rgb(189, 2, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 2, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 2, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 2, 204);  
box-shadow:4px 4px 4px 4px rgb(189, 2,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 98.013, 325.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 2, 204) }
```

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

```
.background{ background-color: rgb(189, 2,  
204) }
```

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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