

Converting Colors

CIELCh(46, 79.916, 340.562)

Have a look what the booklet for
CIELCh(46, 79.916, 340.562)
contains.

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Color

CIELCh(46, 79.894, 340.684)

Conversions

Conversions Part 1

Format	Color
Hex	CB0B9B
RGB	203, 11, 155
RGB Percent	80%, 4%, 61%
CMY	0.2048, 0.9557, 0.3930
CMYK	0.00, 0.94, 0.24, 0.20
HSL	315°, 89%, 42%
HSV	315°, 94%, 80%
XYZ	30.5869, 15.2687, 32.2547
YIQ	84.8240, 68.2080, 85.4880

Conversions

Conversions Part 2

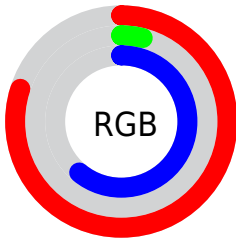
Format	Color
R_{YB}	203, 11, 155
Decimal	13306779
CIE _{Lab}	46.00, 75.40, -26.43
CIE _{LCh}	46, 79.894, 340.684
Yxy	15.2687, 0.3916, 0.1955
Android (android.graphics.Color)	4291496859 (0xFFCB0B9B)
YUV	84.8240, 34.5968, 103.6404
Hunter-Lab	39.0751, 71.3431, -21.5885

Details

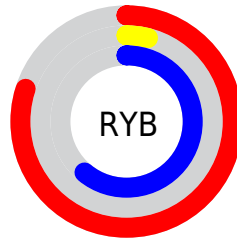
The CIELCh color **46, 79.894, 340.684** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **72, 89.684, 140.568**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 78.477, 338.528**, and **32, 61.135, 343.375** is the 20% darker color. If you saturate the color by 10%, you get **46, 80.194, 341.502**, and if you desaturate by 10%, it is **47, 78.071, 339.350**.

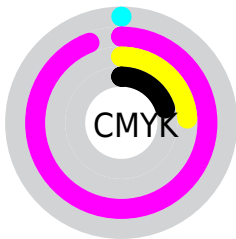
Distribution



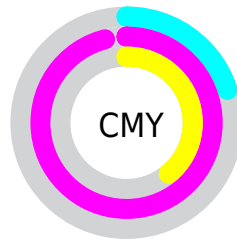
- Red (80%)
- Green (4%)
- Blue (61%)



- Red (80%)
- Yellow (4%)
- Blue (61%)



- Cyan (0%)
- Magenta (94%)
- Yellow (24%)
- Black (20%)



- Cyan (20%)
- Magenta (96%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 79.894, 340.684 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, 79.894, 340.684 by changing the saturation by 10% instead.


 46, 79.894,
340.684


 46, 79.894,
340.684


 100, 79.894,
340.684


 36, 79.894,
340.684

 66, 79.894,
340.684


 26, 79.894,
340.684

 76, 79.894,
340.684

 16, 79.894,
340.684

 86, 79.894,
340.684

 6, 79.894, 340.684

 96, 79.894,
340.684

 0, 79.894, 340.684

 46, 79.894,

 46, 79.894,

340.684

340.684

■ 46, 80.194,
341.502

■ 47, 78.071,
339.350

■ 49, 73.803,
338.214

■ 52, 67.243,
337.220

■ 56, 58.811,
336.326

■ 60, 49.029,
335.500

■ 64, 38.393,
334.725

■ 69, 27.309,
333.990

■ 74, 16.077,
333.286

Harmonies

Complementary

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



46, 79.894, 340.684



72, 89.684, 140.568

Rectangle

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



46, 79.894, 340.684



46, 79.894, 30.684



46, 79.894, 160.684



46, 79.894, 210.684

Sweetspot

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



46, 79.891, 340.684



83, 37.687, 334.275



28, 107.352, 307.670



42, 25.983, 334.598



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, 79.891, 340.684



57, 95.087, 341.731



43, 73.430, 22.891



40, 6.329, 332.937



37, 69.212, 341.260



5, 23.655, 337.961

Inverse Universe

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



46, 79.891, 340.684



57, 95.087, 341.731



73, 54.551, 167.048



40, 6.329, 332.937



37, 69.212, 341.260



5, 23.655, 337.961

Previews

White Background



This preview shows how the CIELCh color 46, 79.894, 340.684 looks on a white background.

Color Contrast Check

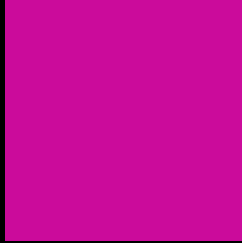
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 79.894, 340.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

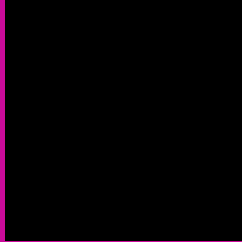
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 79.894, 340.684

Background



This preview shows how black text looks on a background with the CIELCh color 46, 79.894, 340.684.



This preview shows how white text looks on a background with the CIELCh color 46, 79.894, 340.684.

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, 79.999, 340.673

Protanopia
47, 66.266, 287.447

Deuteranopia
47, 21.411, 286.479



Tritanopia
46, 60.555, 28.356

Trichromacy



Original Color
46, 79.999, 340.673



Protanomaly
40, 74.527, 304.604



Deuteranomaly
42, 50.115, 323.027



Tritanomaly
45, 62.787, 6.443

Monochromacy



Original Color
46, 79.999, 340.673



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 40.599, 336.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 79.894, 340.684 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(203, 11, 155)` looks like.

```
.text, #text, p{  
    color:rgb(203, 11, 155)  
}
```

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(203, 11, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 11, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 79.894, 340.684 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(203, 11, 155) }
```

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

```
.border{ border-color:rgb(203, 11, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 11, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 11, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 11, 155);  
box-shadow:4px 4px 4px 4px rgb(203, 11,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 79.894, 340.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 11, 155) }
```

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

```
.background{ background-color: rgb(203, 11,  
155) }
```

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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