

Converting Colors

CIELCh(46, 84.843, 336.715)

Have a look what the booklet for
CIELCh(46, 84.843, 336.715)
contains.

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Color

CIELCh(46, 84.646, 336.633)

Conversions

Conversions Part 1

Format	Color
Hex	CA00A7
RGB	202, 0, 167
RGB Percent	79%, 0%, 65%
CMY	0.2091, 1.0000, 0.3462
CMYK	0.00, 1.00, 0.17, 0.21
HSL	310°, 100%, 40%
HSV	310°, 100%, 79%
XYZ	31.2089, 15.2687, 37.7233
YIQ	79.4360, 66.7850, 94.7610

Conversions

Conversions Part 2

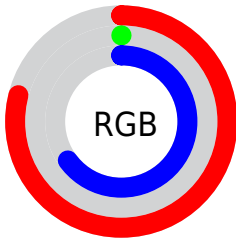
Format	Color
R_{YB}	202, 0, 167
Decimal	13238439
CIE _{Lab}	46.00, 77.70, -33.57
CIE _{LCh}	46, 84.646, 336.633
Yxy	15.2687, 0.3706, 0.1813
Android (android.graphics.Color)	4291428519 (0xFFCA00A7)
YUV	79.4360, 43.1691, 107.4886
Hunter-Lab	39.0751, 74.1844, -29.8862

Details

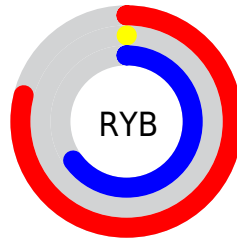
The CIELCh color **46, 84.646, 336.633** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **71, 95.816, 137.942**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 84.008, 334.761**, and **32, 64.391, 338.077** is the 20% darker color. If you saturate the color by 10%, you get **46, 84.541, 336.639**, and if you desaturate by 10%, it is **47, 83.432, 335.752**.

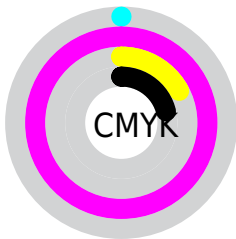
Distribution



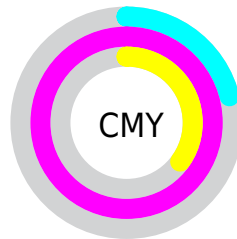
- Red (79%)
- Green (0%)
- Blue (65%)



- Red (79%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (21%)




- Cyan (21%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 84.646, 336.633 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, 84.646, 336.633 by changing the saturation by 10% instead.


 46, 84.646,
336.633

 46, 84.646,
336.633


 100, 84.646,
336.633

 36, 84.646,
336.633

 66, 84.646,
336.633


 26, 84.646,
336.633

 76, 84.646,
336.633

 16, 84.646,
336.633

 86, 84.646,
336.633

 6, 84.646, 336.633

 96, 84.646,
336.633

 0, 84.646, 336.633

 46, 84.646,

 46, 84.646,

336.633

336.633

■ 46, 84.541,
336.639

■ 47, 83.432,
335.752

■ 48, 80.225,
334.945

■ 51, 74.574,
334.202

■ 54, 66.760,
333.496

■ 57, 57.254,
332.811

■ 61, 46.576,
332.140

■ 66, 35.192,
331.481

■ 71, 23.470,
330.834

■ 76, 11.682,
330.196

Harmonies

Complementary

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



46, 84.646, 336.633



71, 95.816, 137.942

Rectangle

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



46, 84.646, 336.633



46, 84.646, 26.633



46, 84.646, 156.633



46, 84.646, 206.633

Sweetspot

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



46, 84.541, 336.639



82, 42.565, 331.508



26, 110.941, 306.965



41, 28.973, 331.789



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, 84.541, 336.639



58, 100.696, 336.778



43, 72.543, 18.415



40, 6.686, 330.158



38, 73.207, 336.499



5, 25.207, 334.126

Inverse Universe

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



46, 84.541, 336.639



58, 100.696, 336.778



72, 61.862, 159.164



40, 6.686, 330.158



38, 73.207, 336.499



5, 25.207, 334.126

Previews

White Background



This preview shows how the CIELCh color 46, 84.646, 336.633 looks on a white background.

Color Contrast Check

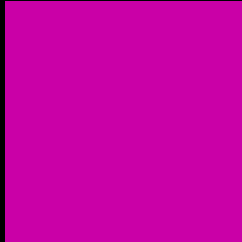
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.646, 336.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

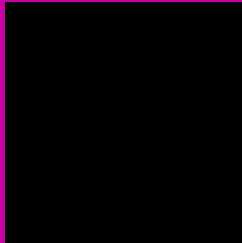
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 84.646, 336.633

Background



This preview shows how black text looks on a background with the CIELCh color 46, 84.646, 336.633.



This preview shows how white text looks on a background with the CIELCh color 46, 84.646, 336.633.

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, 84.646, 336.633

Protanopia

47, 71.513, 287.569

Deuteranopia

47, 27.474, 283.497



Tritanopia
47, 57.350, 27.443

Trichromacy



Original Color
46, 84.646, 336.633



Protanomaly
38, 83.060, 301.733



Deuteranomaly
41, 56.955, 318.322



Tritanomaly
45, 63.058, 1.907

Monochromacy



Original Color
46, 84.646, 336.633



Achromatopsia
34, 0.005, 296.813



Achromatomaly
33, 44.971, 333.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 84.646, 336.633 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(202, 0, 167)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 167)  
}
```

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(202, 0, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 84.646, 336.633 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(202, 0, 167) }
```

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

```
.border{ border-color:rgb(202, 0, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 0, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 0, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 0, 167); box-shadow:4px 4px 4px 4px rgb(202, 0, 167) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 84.646, 336.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 167) }
```

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

```
.background{ background-color: rgb(202, 0,  
167) }
```

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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