

Converting Colors

CIELCh(45, 85.239, 334.588)

Have a look what the booklet for
CIELCh(45, 85.239, 334.588)
contains.

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Color

CIELCh(45, 85.074, 334.630)

Conversions

Conversions Part 1

Format	Color
Hex	C400A9
RGB	196, 0, 169
RGB Percent	77%, 0%, 66%
CMY	0.2323, 1.0000, 0.3381
CMYK	0.00, 1.00, 0.14, 0.23
HSL	308°, 100%, 38%
HSV	308°, 100%, 77%
XYZ	29.8332, 14.5417, 38.6612
YIQ	77.8700, 62.5670, 94.1110

Conversions

Conversions Part 2

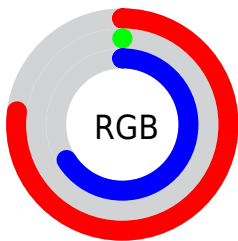
Format	Color
RYB	196, 0, 169
Decimal	12845225
CIELab	45.00, 76.87, -36.45
CIELCh	45, 85.074, 334.630
Yxy	14.5417, 0.3593, 0.1751
Android (android.graphics.Color)	4291035305 (0xFFC400A9)
YUV	77.8700, 44.9271, 103.6000
Hunter-Lab	38.1336, 72.9129, -33.4168

Details

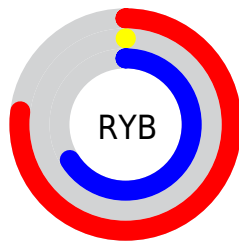
The CIELCh color **45, 85.074, 334.630** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **69, 94.989, 137.374**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 85.115, 334.225**, and **31, 64.780, 335.242** is the 20% darker color. If you saturate the color by 10%, you get **45, 84.992, 334.633**, and if you desaturate by 10%, it is **46, 83.680, 333.960**.

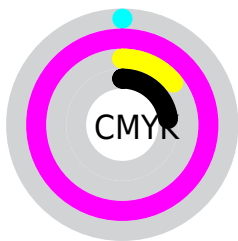
Distribution



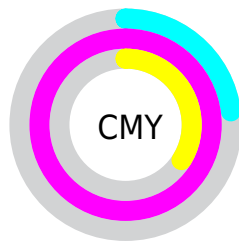
- Red (77%)
- Green (0%)
- Blue (66%)



- Red (77%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 85.074, 334.630 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 45, 85.074, 334.630 by changing the saturation by 10% instead.


 45, 85.074,
334.630


 45, 85.074,
334.630


 100, 85.074,
334.630


 35, 85.074,
334.630

 65, 85.074,
334.630


 25, 85.074,
334.630

 75, 85.074,
334.630

 15, 85.074,
334.630

 85, 85.074,
334.630

 5, 85.074, 334.630

 95, 85.074,
334.630

 0, 85.074, 334.630

 45, 85.074,

 45, 85.074,

334.630

334.630

■ 45, 84.992,
334.633

■ 46, 83.680,
333.960

■ 47, 80.336,
333.323

■ 49, 74.607,
332.707

■ 52, 66.760,
332.097

■ 56, 57.249,
331.483

■ 60, 46.577,
330.865

■ 64, 35.200,
330.245

■ 69, 23.482,
329.628

■ 74, 11.691,
329.014

Harmonies

Complementary

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



45, 85.074, 334.630



69, 94.989, 137.374

Rectangle

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



45, 85.074, 334.630



45, 85.074, 24.630



45, 85.074, 154.630



45, 85.074, 204.630

Sweetspot

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



45, 84.992, 334.633



82, 43.620, 330.275



24, 108.827, 306.767



41, 29.687, 330.540



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 84.992, 334.633



58, 103.530, 334.750



41, 70.093, 15.127



38, 6.571, 328.974



37, 73.522, 334.526



4, 21.270, 331.565

Inverse Universe

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



45, 84.992, 334.633



58, 103.530, 334.750



70, 62.961, 156.856



38, 6.571, 328.974



37, 73.522, 334.526



4, 21.270, 331.565

Previews

White Background



This preview shows how the CIELCh color 45, 85.074, 334.630 looks on a white background.

Color Contrast Check

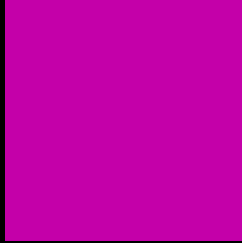
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 85.074, 334.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

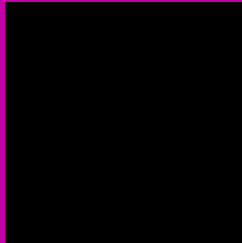
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 85.074, 334.630

Background



This preview shows how black text looks on a background with the CIELCh color 45, 85.074, 334.630.

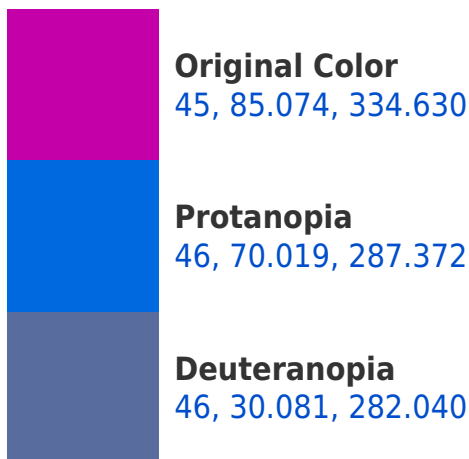


This preview shows how white text looks on a background with the CIELCh color 45, 85.074, 334.630.

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





Tritanopia
46, 54.641, 26.416

Trichromacy



Original Color
45, 85.074, 334.630



Protanomaly
37, 82.104, 301.608



Deuteranomaly
40, 58.222, 315.660



Tritanomaly
44, 61.518, 359.756

Monochromacy



Original Color
45, 85.074, 334.630



Achromatopsia
33, 0.005, 296.813



Achromatomaly
33, 44.514, 331.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 85.074, 334.630 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(196, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 169)  
}
```

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(196, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 85.074, 334.630 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(196, 0, 169) }
```

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

```
.border{ border-color:rgb(196, 0, 169) }
```

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

Here you see how a box with a 4 pixel rgb(196, 0, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(196, 0,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 85.074, 334.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 169) }
```

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

```
.background{ background-color: rgb(196, 0,  
169) }
```

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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