

Converting Colors

CIELCh(48, 85.412, 338.712)

Have a look what the booklet for
CIELCh(48, 85.412, 338.712)
contains.

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Color

CIELCh(48, 85.492, 338.737)

Conversions

Conversions Part 1

Format	Color
Hex	D400A8
RGB	212, 0, 168
RGB Percent	83%, 0%, 66%
CMY	0.1691, 1.0000, 0.3416
CMYK	0.00, 1.00, 0.21, 0.17
HSL	312°, 100%, 42%
HSV	312°, 100%, 83%
XYZ	34.1722, 16.7945, 38.4365
YIQ	82.5400, 72.4240, 97.1920

Conversions

Conversions Part 2

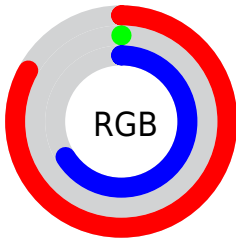
Format	Color
R_{YB}	212, 0, 168
Decimal	13893800
CIE _{Lab}	48.00, 79.67, -31.00
CIE _{LCh}	48, 85.492, 338.737
Yxy	16.7945, 0.3822, 0.1879
Android (android.graphics.Color)	4292083880 (0xFFD400A8)
YUV	82.5400, 42.1318, 113.5364
Hunter-Lab	40.9810, 77.1260, -26.9219

Details

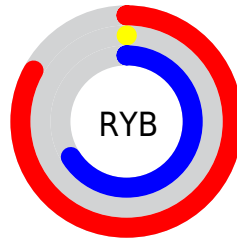
The CIELCh color **48, 85.492, 338.737** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **74, 97.944, 138.572**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 83.488, 334.539**, and **34, 65.346, 340.678** is the 20% darker color. If you saturate the color by 10%, you get **48, 85.455, 338.740**, and if you desaturate by 10%, it is **49, 84.549, 337.615**.

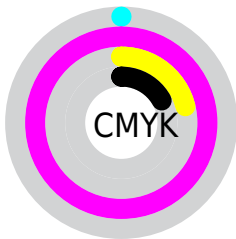
Distribution



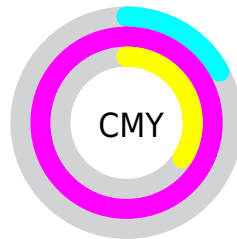
- Red (83%)
- Green (0%)
- Blue (66%)



- Red (83%)
- Yellow (0%)
- Blue (66%)



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




- Cyan (17%)
- Magenta (100%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 85.492, 338.737 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 48, 85.492, 338.737 by changing the saturation by 10% instead.


 48, 85.492,
338.737


 48, 85.492,
338.737


 100, 85.492,
338.737


 38, 85.492,
338.737

 68, 85.492,
338.737


 28, 85.492,
338.737

 78, 85.492,
338.737


 18, 85.492,
338.737


 88, 85.492,
338.737

 8, 85.492, 338.737

 98, 85.492,
338.737

 0, 85.492, 338.737

 48, 85.492,

 48, 85.492,

338.737

338.737

■ 48, 85.455,
338.740

■ 49, 84.549,
337.615

■ 50, 81.437,
336.622

■ 53, 75.782,
335.739

■ 56, 67.878,
334.929

■ 60, 58.223,
334.168

■ 64, 47.360,
333.439

■ 69, 35.776,
332.737

■ 74, 23.853,
332.057

■ 79, 11.869,
331.394

Harmonies

Complementary

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



48, 85.492, 338.737



74, 97.944, 138.572

Rectangle

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



48, 85.492, 338.737



48, 85.492, 28.737



48, 85.492, 158.737



48, 85.492, 208.737

Sweetspot

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



48, 85.455, 338.740



82, 41.573, 332.759



27, 114.717, 307.198



41, 28.302, 333.056



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 85.455, 338.740



58, 98.110, 338.878



45, 76.489, 21.685



42, 6.793, 331.355



39, 72.958, 338.549



6, 28.286, 336.237

Inverse Universe

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



48, 85.455, 338.740



58, 98.110, 338.878



76, 61.638, 161.639



42, 6.793, 331.355



39, 72.958, 338.549



6, 28.286, 336.237

Previews

White Background



This preview shows how the CIELCh color 48, 85.492, 338.737 looks on a white background.

Color Contrast Check

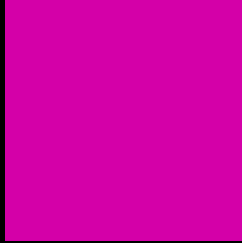
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 85.492, 338.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

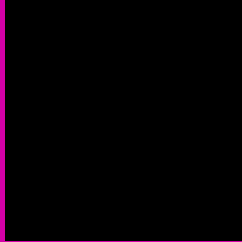
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 85.492, 338.737

Background



This preview shows how black text looks on a background with the CIELCh color 48, 85.492, 338.737.



This preview shows how white text looks on a background with the CIELCh color 48, 85.492, 338.737.

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
48, 85.492, 338.737

Protanopia
49, 73.867, 287.570

Deuteranopia
49, 25.393, 285.829



Tritanopia
48, 61.665, 27.734

Trichromacy



Original Color
48, 85.492, 338.737



Protanomaly
39, 84.895, 301.799



Deuteranomaly
43, 56.266, 320.897



Tritanomaly
47, 66.178, 4.147

Monochromacy



Original Color
48, 85.492, 338.737



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 45.442, 334.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 85.492, 338.737 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(212, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 168)  
}
```

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(212, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 85.492, 338.737 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(212, 0, 168) }
```

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

```
.border{ border-color:rgb(212, 0, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 85.492, 338.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 168) }
```

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

```
.background{ background-color: rgb(212, 0,  
168) }
```

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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