

Converting Colors

CIELCh(49, 81.285, 348.851)

Have a look what the booklet for
CIELCh(49, 81.285, 348.851)
contains.

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Color

CIELCh(49, 80.787, 349.061)

Conversions

Conversions Part 1

Format	Color
Hex	DE0091
RGB	222, 0, 145
RGB Percent	87%, 0%, 57%
CMY	0.1275, 1.0000, 0.4331
CMYK	0.00, 1.00, 0.35, 0.13
HSL	321°, 100%, 44%
HSV	321°, 100%, 87%
XYZ	35.3260, 17.5941, 28.1431
YIQ	82.9080, 85.7670, 92.1590

Conversions

Conversions Part 2

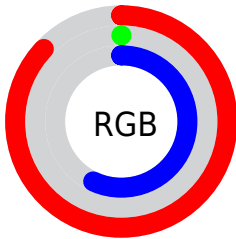
Format	Color
R_{YB}	222, 0, 145
Decimal	14549137
CIE _{Lab}	49.00, 79.32, -15.33
CIE _{LCh}	49, 80.787, 349.061
Yxy	17.5941, 0.4358, 0.2170
Android (android.graphics.Color)	4292739217 (0xFFDE0091)
YUV	82.9080, 30.6114, 121.9837
Hunter-Lab	41.9453, 76.9271, -10.4189

Details

The CIELCh color **49, 80.787, 349.061** 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 **78, 92.706, 142.518**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 75.221, 342.057**, and **35, 61.647, 353.926** is the 20% darker color. If you saturate the color by 10%, you get **49, 80.626, 349.095**, and if you desaturate by 10%, it is **50, 80.039, 346.712**.

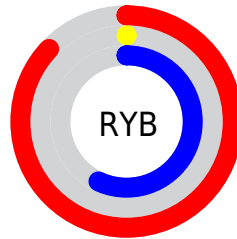
Distribution



Red (87%)

Green (0%)

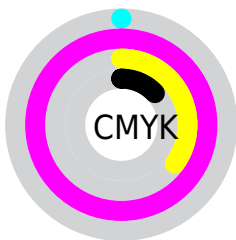
Blue (57%)



Red (87%)

Yellow (0%)

Blue (57%)

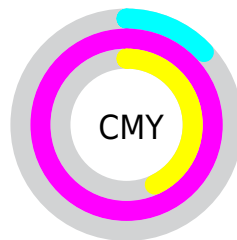


Cyan (0%)

Magenta (100%)

Yellow (35%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 80.787, 349.061 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 49, 80.787, 349.061 by changing the saturation by 10% instead.


 49, 80.787,
349.061


 49, 80.787,
349.061


 100, 80.787,
349.061


 39, 80.787,
349.061

 69, 80.787,
349.061


 29, 80.787,
349.061

 79, 80.787,
349.061

 19, 80.787,
349.061

 89, 80.787,
349.061

 9, 80.787, 349.061

 99, 80.787,
349.061

 0, 80.787, 349.061

 49, 80.787,

 49, 80.787,

349.061

349.061

■ 49, 80.626,
349.095

■ 50, 80.039,
346.712

■ 52, 77.261,
344.743

■ 54, 71.945,
343.136

■ 58, 64.404,
341.795

■ 62, 55.163,
340.644

■ 67, 44.785,
339.627

■ 72, 33.760,
338.710

■ 77, 22.462,
337.868

■ 83, 11.155,
337.077

Harmonies

Complementary

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



49, 80.787, 349.061



78, 92.706, 142.518

Rectangle

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



49, 80.787, 349.061



49, 80.787, 39.061



49, 80.787, 169.061



49, 80.787, 219.061

Sweetspot

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



49, 80.626, 349.095



81, 37.710, 338.730



32, 116.259, 308.916



41, 25.696, 339.110



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 80.626, 349.095



56, 89.250, 349.313



47, 87.243, 33.596



44, 6.376, 337.034



39, 67.869, 348.655



7, 28.487, 344.393

Inverse Universe

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



49, 80.626, 349.095



56, 89.250, 349.313



80, 52.790, 176.018



44, 6.376, 337.034



39, 67.869, 348.655



7, 28.487, 344.393

Previews

White Background



This preview shows how the CIELCh color 49, 80.787, 349.061 looks on a white background.

Color Contrast Check

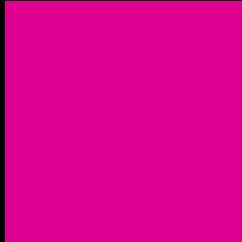
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 80.787, 349.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

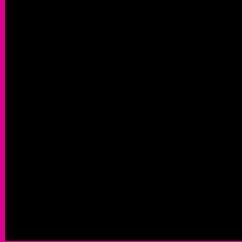
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 80.787, 349.061

Background



This preview shows how black text looks on a background with the CIELCh color 49, 80.787, 349.061.



This preview shows how white text looks on a background with the CIELCh color 49, 80.787, 349.061.

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

49, 80.649, 348.815

Protanopia

50, 53.366, 286.222

Deuteranopia

50, 12.083, 304.468



Tritanopia
49, 71.626, 30.983

Trichromacy



Original Color
49, 80.649, 348.815



Protanomaly
43, 66.753, 312.320



Deuteranomaly
44, 48.304, 335.938



Tritanomaly
48, 71.439, 13.724

Monochromacy



Original Color
49, 80.649, 348.815



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 42.979, 341.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 80.787, 349.061 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(222, 0, 145)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 145)  
}
```

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(222, 0, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 80.787, 349.061 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(222, 0, 145) }
```

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

```
.border{ border-color:rgb(222, 0, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 80.787, 349.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 145) }
```

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

```
.background{ background-color: rgb(222, 0,  
145) }
```

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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