

Converting Colors

CIELCh(49, 81.509, 347.410)

Have a look what the booklet for
CIELCh(49, 81.509, 347.410)
contains.

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Color

CIELCh(49, 81.487, 347.371)

Conversions

Conversions Part 1

Format	Color
Hex	DE0095
RGB	222, 0, 149
RGB Percent	87%, 0%, 58%
CMY	0.1310, 1.0000, 0.4170
CMYK	0.00, 1.00, 0.33, 0.13
HSL	320°, 100%, 43%
HSV	320°, 100%, 87%
XYZ	35.3839, 17.5941, 29.8227
YIQ	83.3640, 84.4830, 93.4030

Conversions

Conversions Part 2

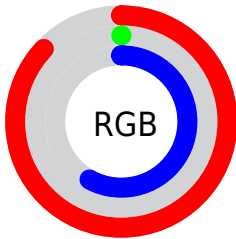
Format	Color
R_{YB}	222, 0, 149
Decimal	14549141
CIE _{Lab}	49.00, 79.52, -17.82
CIE _{LCh}	49, 81.487, 347.371
Yxy	17.5941, 0.4273, 0.2125
Android (android.graphics.Color)	4292739221 (0xFFDE0095)
YUV	83.3640, 32.3585, 121.5838
Hunter-Lab	41.9453, 77.1736, -12.7930

Details

The CIELCh color **49, 81.487, 347.371** 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, 93.931, 141.811**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 75.926, 340.788**, and **35, 62.323, 351.809** is the 20% darker color. If you saturate the color by 10%, you get **49, 81.363, 347.394**, and if you desaturate by 10%, it is **50, 80.780, 345.223**.

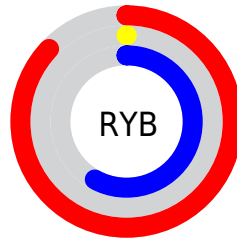
Distribution



Red (87%)

Green (0%)

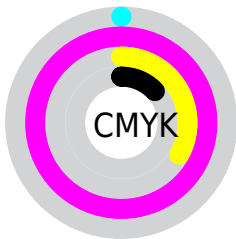
Blue (58%)



Red (87%)

Yellow (0%)

Blue (58%)

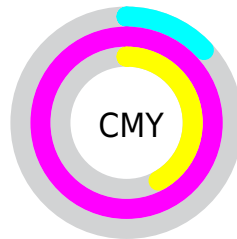


Cyan (0%)

Magenta (100%)

Yellow (33%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 81.487, 347.371 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, 81.487, 347.371 by changing the saturation by 10% instead.


 49, 81.487,
347.371


 49, 81.487,
347.371


 100, 81.487,
347.371


 39, 81.487,
347.371

 69, 81.487,
347.371


 29, 81.487,
347.371

 79, 81.487,
347.371

 19, 81.487,
347.371

 89, 81.487,
347.371

 9, 81.487, 347.371

 99, 81.487,
347.371

 0, 81.487, 347.371

 49, 81.487,

 49, 81.487,

347.371

347.371

■ 49, 81.363,
347.394

■ 50, 80.780,
345.223

■ 52, 77.984,
343.419

■ 54, 72.633,
341.934

■ 58, 65.040,
340.682

■ 62, 55.729,
339.596

■ 67, 45.263,
338.627

■ 72, 34.134,
337.746

■ 77, 22.720,
336.931

■ 83, 11.288,
336.161

Harmonies

Complementary

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



49, 81.487, 347.371



78, 93.931, 141.811

Rectangle

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



49, 81.487, 347.371



49, 81.487, 37.371



49, 81.487, 167.371



49, 81.487, 217.371

Sweetspot

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



49, 81.363, 347.394



81, 38.250, 337.766



31, 116.619, 308.439



41, 26.059, 338.132



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, 81.363, 347.394



56, 90.328, 347.599



46, 85.050, 31.362



43, 6.351, 336.117



38, 67.966, 346.973



6, 27.497, 342.952

Inverse Universe

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



49, 81.363, 347.394



56, 90.328, 347.599



79, 54.896, 172.338



43, 6.351, 336.117



38, 67.966, 346.973



6, 27.497, 342.952

Previews

White Background



This preview shows how the CIELCh color 49, 81.487, 347.371 looks on a white background.

Color Contrast Check

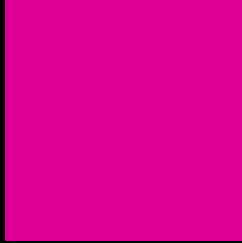
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.487, 347.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

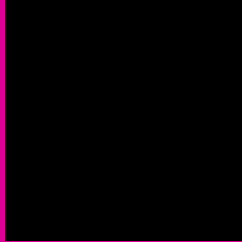
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 81.487, 347.371

Background



This preview shows how black text looks on a background with the CIELCh color 49, 81.487, 347.371.

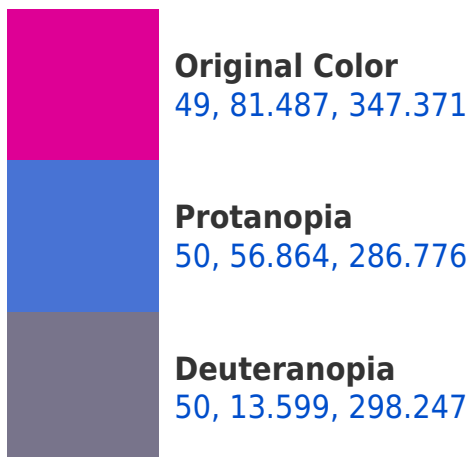


This preview shows how white text looks on a background with the CIELCh color 49, 81.487, 347.371.

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
50, 70.294, 30.593

Trichromacy



Original Color
49, 81.487, 347.371



Protanomaly
43, 69.925, 310.888



Deuteranomaly
44, 49.299, 332.759



Tritanomaly
48, 70.526, 12.373

Monochromacy



Original Color
49, 81.487, 347.371



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 43.427, 340.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 81.487, 347.371 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 81.487, 347.371 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, 149) }
```

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

```
.border{ border-color:rgb(222, 0, 149) }
```

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, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 81.487, 347.371 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, 149) }
```

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

```
.background{ background-color: rgb(222, 0,  
149) }
```

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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