

Converting Colors

CIELCh(49, 81.810, 346.785)

Have a look what the booklet for
CIELCh(49, 81.810, 346.785)
contains.

CIELCh(49, 81.582, 346.771)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 81.582, 346.771)

Conversions

Conversions Part 1

Format	Color
Hex	DD0096
RGB	221, 0, 150
RGB Percent	87%, 0%, 59%
CMY	0.1330, 0.9987, 0.4115
CMYK	0.00, 1.00, 0.32, 0.13
HSL	319°, 100%, 43%
HSV	319°, 100%, 87%
XYZ	35.3549, 17.5941, 30.4145
YIQ	83.1790, 83.5660, 93.5020

Conversions

Conversions Part 2

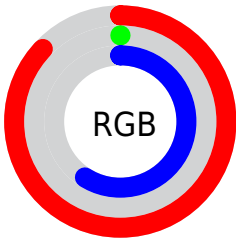
Format	Color
R_{YB}	221, 0, 150
Decimal	14483606
CIE _{Lab}	49.00, 79.42, -18.67
CIE _{LCh}	49, 81.582, 346.771
Yxy	17.5941, 0.4241, 0.2111
Android (android.graphics.Color)	4292673686 (0xFFDD0096)
YUV	83.1790, 32.9428, 120.8690
Hunter-Lab	41.9453, 77.0500, -13.6294

Details

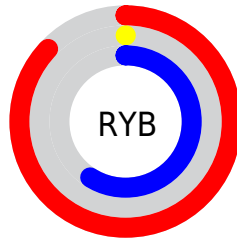
The CIELCh color **49, 81.582, 346.771** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **77, 94.203, 141.598**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 76.660, 340.406**, and **35, 62.343, 350.956** is the 20% darker color. If you saturate the color by 10%, you get **49, 81.583, 346.803**, and if you desaturate by 10%, it is **50, 80.974, 344.678**.

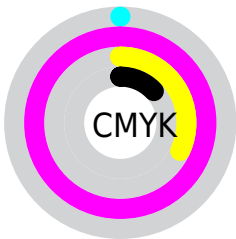
Distribution



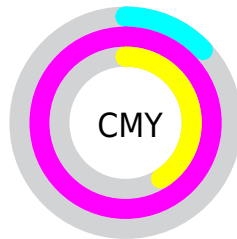
- Red (87%)
- Green (0%)
- Blue (59%)



- Red (87%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 81.582, 346.771 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, 81.582, 346.771 by changing the saturation by 10% instead.


 49, 81.582,
346.771


 49, 81.582,
346.771


 100, 81.582,
346.771


 39, 81.582,
346.771

 69, 81.582,
346.771


 29, 81.582,
346.771

 79, 81.582,
346.771

 19, 81.582,
346.771

 89, 81.582,
346.771

 9, 81.582, 346.771

 99, 81.582,
346.771

 0, 81.582, 346.771

 49, 81.582,

 49, 81.582,

346.771

346.771

■ 49, 81.583,
346.803

■ 50, 80.974,
344.678

■ 52, 78.131,
342.936

■ 54, 72.732,
341.497

■ 58, 65.094,
340.279

■ 62, 55.743,
339.217

■ 67, 45.240,
338.266

■ 72, 34.076,
337.398

■ 77, 22.627,
336.593

■ 82, 11.159,
335.831

Harmonies

Complementary

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



49, 81.582, 346.771



77, 94.203, 141.598

Rectangle

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



49, 81.582, 346.771



49, 81.582, 36.771



49, 81.582, 166.771



49, 81.582, 216.771

Sweetspot

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



49, 81.578, 346.772



81, 38.444, 337.431



31, 116.334, 308.443



41, 26.190, 337.792



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, 81.578, 346.772



56, 90.732, 347.004



46, 84.805, 31.285



43, 6.385, 335.799



38, 68.270, 346.400



6, 27.630, 342.507

Inverse Universe

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



49, 81.578, 346.772



56, 90.732, 347.004



79, 54.769, 172.366



43, 6.385, 335.799



38, 68.270, 346.400



6, 27.630, 342.507

Previews

White Background



This preview shows how the CIELCh color 49, 81.582, 346.771 looks on a white background.

Color Contrast Check

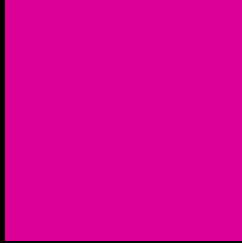
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.582, 346.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

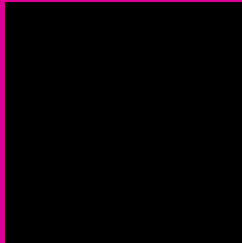
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 81.582, 346.771

Background



This preview shows how black text looks on a background with the CIELCh color 49, 81.582, 346.771.



This preview shows how white text looks on a background with the CIELCh color 49, 81.582, 346.771.

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, 81.582, 346.771

Protanopia

50, 58.020, 286.829

Deuteranopia

50, 14.784, 297.859



Tritanopia
49, 69.654, 30.120

Trichromacy



Original Color
49, 81.582, 346.771



Protanomaly
43, 70.973, 310.452



Deuteranomaly
44, 50.125, 331.873



Tritanomaly
48, 70.155, 11.705

Monochromacy



Original Color
49, 81.582, 346.771



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, 81.582, 346.771 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(221, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 150)  
}
```

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(221, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 81.582, 346.771 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(221, 0, 150) }
```

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

```
.border{ border-color:rgb(221, 0, 150) }
```

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

Here you see how a box with a 4 pixel rgb(221, 0, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 81.582, 346.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 150) }
```

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

```
.background{ background-color: rgb(221, 0,  
150) }
```

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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