

Converting Colors

CIELCh(49, 81.005, 343.301)

Have a look what the booklet for
CIELCh(49, 81.005, 343.301)
contains.

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Color

CIELCh(49, 81.101, 343.071)

Conversions

Conversions Part 1

Format	Color
Hex	D8149E
RGB	216, 20, 158
RGB Percent	85%, 8%, 62%
CMY	0.1520, 0.9232, 0.3796
CMYK	0.00, 0.91, 0.27, 0.15
HSL	318°, 83%, 46%
HSV	318°, 91%, 85%
XYZ	34.8177, 17.5941, 33.9986
YIQ	94.3360, 72.5180, 84.4700

Conversions

Conversions Part 2

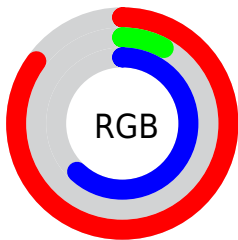
Format	Color
R _Y B	216, 20, 158
Decimal	14161054
CIE Lab	49.00, 77.59, -23.62
CIE LCh	49, 81.101, 343.071
Yxy	17.5941, 0.4029, 0.2036
Android (android.graphics.Color)	4292351134 (0xFFD8149E)
YUV	94.3360, 31.3864, 106.6993
Hunter-Lab	41.9453, 74.7641, -18.6956

Details

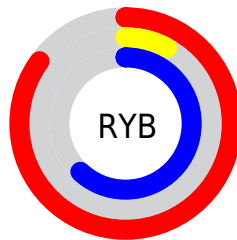
The CIELCh color **49, 81.101, 343.071** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **76, 89.492, 142.498**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 77.180, 337.831**, and **34, 63.296, 346.112** is the 20% darker color. If you saturate the color by 10%, you get **48, 81.600, 344.749**, and if you desaturate by 10%, it is **51, 78.504, 341.495**.

Distribution



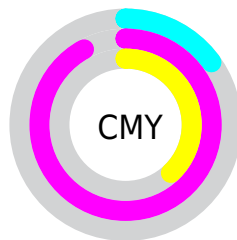
- Red (85%)
- Green (8%)
- Blue (62%)



- Red (85%)
- Yellow (8%)
- Blue (62%)



- Cyan (0%)
- Magenta (91%)
- Yellow (27%)
- Black (15%)





- Cyan (15%)
- Magenta (92%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 81.101, 343.071 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, 81.101, 343.071 by changing the saturation by 10% instead.


 49, 81.101,
343.071


 49, 81.101,
343.071


 100, 81.101,
343.071


 39, 81.101,
343.071

 69, 81.101,
343.071


 29, 81.101,
343.071

 79, 81.101,
343.071

 19, 81.101,
343.071

 89, 81.101,
343.071

 9, 81.101, 343.071

 99, 81.101,
343.071

 0, 81.101, 343.071

 49, 81.101,

 49, 81.101,

343.071

343.071

■ 48, 81.600,
344.749

■ 51, 78.504,
341.495

■ 53, 73.365,
340.179

■ 56, 65.958,
339.051

■ 60, 56.789,
338.055

■ 65, 46.410,
337.154

■ 70, 35.316,
336.323

■ 75, 23.893,
335.546

■ 80, 12.417,
334.807

Harmonies

Complementary

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



49, 81.101, 343.071



76, 89.492, 142.498

Rectangle

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



49, 81.101, 343.071



49, 81.101, 33.071



49, 81.101, 163.071



49, 81.101, 213.071

Sweetspot

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



49, 81.098, 343.071



83, 35.245, 336.030



32, 110.171, 308.119



42, 23.737, 336.303



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, 81.098, 343.071



57, 92.254, 344.954



46, 76.762, 23.975



42, 6.382, 334.695



38, 68.667, 344.401



6, 26.556, 340.814

Inverse Universe

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



49, 81.098, 343.071



57, 92.254, 344.954



78, 54.223, 170.691



42, 6.382, 334.695



38, 68.667, 344.401



6, 26.556, 340.814

Previews

White Background



This preview shows how the CIELCh color 49, 81.101, 343.071 looks on a white background.

Color Contrast Check

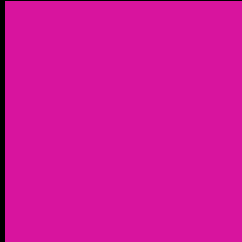
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.101, 343.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

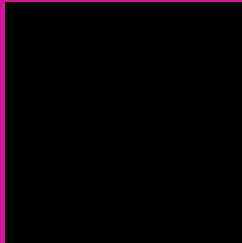
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 81.101, 343.071

Background



This preview shows how black text looks on a background with the CIELCh color 49, 81.101, 343.071.

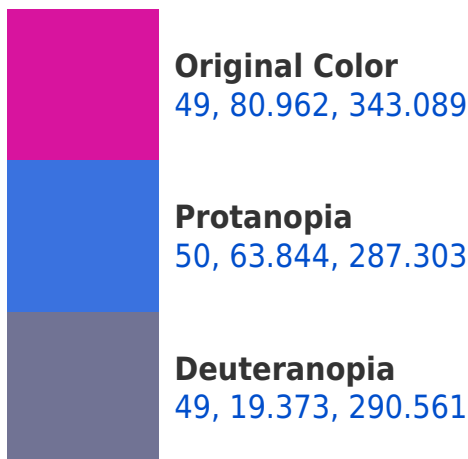


This preview shows how white text looks on a background with the CIELCh color 49, 81.101, 343.071.

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
49, 64.880, 28.895

Trichromacy



Original Color
49, 80.962, 343.089



Protanomaly
44, 71.025, 306.556



Deuteranomaly
45, 48.609, 326.457

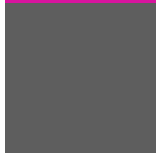


Tritanomaly
48, 66.043, 9.196

Monochromacy



Original Color
49, 80.962, 343.089



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 39.859, 337.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 81.101, 343.071 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(216, 20, 158)` looks like.

```
.text, #text, p{  
    color:rgb(216, 20, 158)  
}
```

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(216, 20, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 20, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 81.101, 343.071 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(216, 20, 158) }
```

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

```
.border{ border-color:rgb(216, 20, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 20, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 20, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 20, 158);  
box-shadow:4px 4px 4px 4px rgb(216, 20,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 81.101, 343.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 20, 158) }
```

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

```
.background{ background-color: rgb(216, 20,  
158) }
```

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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