

Converting Colors

CIELCh(49, 78.451, 347.885)

Have a look what the booklet for
CIELCh(49, 78.451, 347.885)
contains.

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Color

CIELCh(49, 78.484, 348.100)

Conversions

Conversions Part 1

Format	Color
Hex	DB1492
RGB	219, 20, 146
RGB Percent	86%, 8%, 57%
CMY	0.1418, 0.9229, 0.4280
CMYK	0.00, 0.91, 0.33, 0.14
HSL	322°, 84%, 47%
HSV	322°, 91%, 86%
XYZ	34.5878, 17.5941, 28.7124
YIQ	93.8650, 78.1580, 81.3740

Conversions

Conversions Part 2

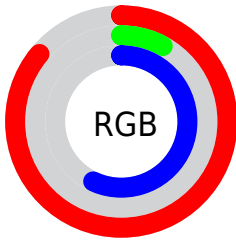
Format	Color
R _Y B	219, 20, 146
Decimal	14357650
CIE Lab	49.00, 76.80, -16.18
CIE LCh	49, 78.484, 348.100
Yxy	17.5941, 0.4276, 0.2175
Android (android.graphics.Color)	4292547730 (0xFFDB1492)
YUV	93.8650, 25.7026, 109.7434
Hunter-Lab	41.9453, 73.7856, -11.2235

Details

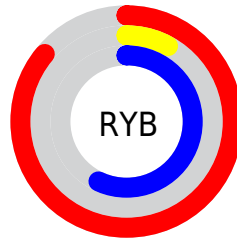
The CIELCh color **49, 78.484, 348.100** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **77, 85.447, 144.983**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 73.271, 342.056**, and **34, 61.274, 352.383** is the 20% darker color. If you saturate the color by 10%, you get **48, 78.968, 350.399**, and if you desaturate by 10%, it is **51, 75.980, 345.961**.

Distribution



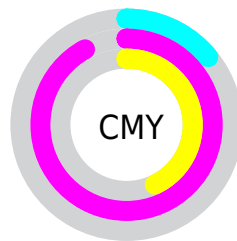
- Red (86%)
- Green (8%)
- Blue (57%)



- Red (86%)
- Yellow (8%)
- Blue (57%)



- Cyan (0%)
- Magenta (91%)
- Yellow (33%)
- Black (14%)



- Cyan (14%)
- Magenta (92%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 78.484, 348.100 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, 78.484, 348.100 by changing the saturation by 10% instead.


 49, 78.484,
348.100


 49, 78.484,
348.100


 100, 78.484,
348.100

 39, 78.484,
348.100

 69, 78.484,
348.100


 29, 78.484,
348.100

 79, 78.484,
348.100

 19, 78.484,
348.100

 89, 78.484,
348.100

 9, 78.484, 348.100

 99, 78.484,
348.100

 0, 78.484, 348.100

 49, 78.484,

 49, 78.484,

348.100

348.100

■ 48, 78.968,
350.399

■ 51, 75.980,
345.961

■ 53, 70.991,
344.228

■ 57, 63.788,
342.795

■ 61, 54.874,
341.576

■ 65, 44.806,
340.511

■ 70, 34.071,
339.557

■ 76, 23.049,
338.688

■ 81, 12.003,
337.878

Harmonies

Complementary

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



49, 78.484, 348.100



77, 85.447, 144.983

Rectangle

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



49, 78.484, 348.100



49, 78.484, 38.100



49, 78.484, 168.100



49, 78.484, 218.100

Sweetspot

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



49, 78.480, 348.101



83, 33.574, 339.219



33, 110.083, 309.196



42, 22.622, 339.526



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, 78.480, 348.101



56, 88.490, 350.664



47, 80.532, 29.167



43, 6.185, 337.752



38, 66.575, 349.925



6, 26.864, 345.248

Inverse Universe

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



49, 78.480, 348.101



56, 88.490, 350.664



79, 50.675, 177.430



43, 6.185, 337.752



38, 66.575, 349.925



6, 26.864, 345.248

Previews

White Background



This preview shows how the CIELCh color 49, 78.484, 348.100 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, 78.484, 348.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

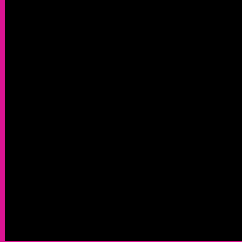
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 78.484, 348.100

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.484, 348.100.

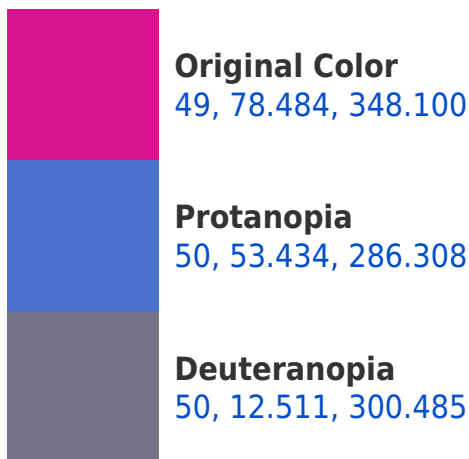


This preview shows how white text looks on a background with the CIELCh color 49, 78.484, 348.100.

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, 68.631, 30.254

Trichromacy



Original Color
49, 78.484, 348.100



Protanomaly
44, 63.054, 310.765



Deuteranomaly
45, 44.340, 334.112



Tritanomaly
48, 68.101, 13.292

Monochromacy



Original Color
49, 78.484, 348.100



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 38.688, 341.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 78.484, 348.100 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(219, 20, 146)` looks like.

```
.text, #text, p{  
    color:rgb(219, 20, 146)  
}
```

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(219, 20, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 20, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.484, 348.100 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(219, 20, 146) }
```

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

```
.border{ border-color:rgb(219, 20, 146) }
```

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

Here you see how a box with a 4 pixel rgb(219, 20, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 20, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 20, 146);  
box-shadow:4px 4px 4px 4px rgb(219, 20,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.484, 348.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 20, 146) }
```

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

```
.background{ background-color: rgb(219, 20,  
146) }
```

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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