

Converting Colors

CIELCh(49, 79.763, 351.903)

Have a look what the booklet for
CIELCh(49, 79.763, 351.903)
contains.

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Color

CIELCh(49, 79.646, 351.933)

Conversions

Conversions Part 1

Format	Color
Hex	E0008A
RGB	224, 0, 138
RGB Percent	88%, 0%, 54%
CMY	0.1229, 1.0000, 0.4599
CMYK	0.00, 1.00, 0.38, 0.12
HSL	323°, 100%, 44%
HSV	323°, 100%, 88%
XYZ	35.1902, 17.5941, 25.4792
YIQ	82.7080, 89.2060, 90.4060

Conversions

Conversions Part 2

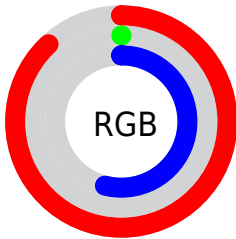
Format	Color
R_{YB}	224, 0, 138
Decimal	14680202
CIE _{Lab}	49.00, 78.86, -11.18
CIE _{LCh}	49, 79.646, 351.933
Yxy	17.5941, 0.4496, 0.2248
Android (android.graphics.Color)	4292870282 (0xFFE0008A)
YUV	82.7080, 27.2590, 123.9131
Hunter-Lab	41.9453, 76.3492, -6.6534

Details

The CIELCh color **49, 79.646, 351.933** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **78, 90.536, 143.749**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 72.640, 344.946**, and **35, 61.247, 357.870** is the 20% darker color. If you saturate the color by 10%, you get **49, 79.545, 351.958**, and if you desaturate by 10%, it is **50, 78.905, 349.219**.

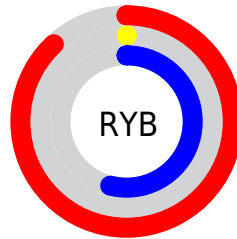
Distribution



Red (88%)

Green (0%)

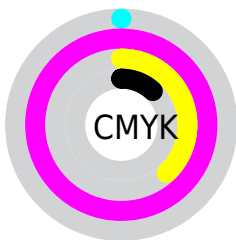
Blue (54%)



Red (88%)

Yellow (0%)

Blue (54%)

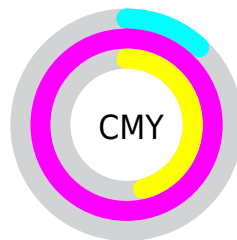


Cyan (0%)

Magenta (100%)

Yellow (38%)

Black (12%)



Cyan (12%)


Magenta (100%)

Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 79.646, 351.933 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, 79.646, 351.933 by changing the saturation by 10% instead.


 49, 79.646,
351.933


 49, 79.646,
351.933


 100, 79.646,
351.933


 39, 79.646,
351.933

 69, 79.646,
351.933


 29, 79.646,
351.933

 79, 79.646,
351.933

 19, 79.646,
351.933

 89, 79.646,
351.933

 9, 79.646, 351.933

 99, 79.646,
351.933

 0, 79.646, 351.933

 49, 79.646,

 49, 79.646,

351.933

■ 49, 79.545,
351.958

351.933

■ 50, 78.905,
349.219

■ 52, 76.125,
346.971

■ 55, 70.847,
345.158

■ 58, 63.378,
343.667

■ 62, 54.244,
342.405

■ 67, 44.004,
341.307

■ 72, 33.146,
340.330

■ 78, 22.038,
339.443

■ 83, 10.937,
338.617

Harmonies

Complementary

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



49, 79.646, 351.933



78, 90.536, 143.749

Rectangle

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



49, 79.646, 351.933



49, 79.646, 41.933



49, 79.646, 171.933



49, 79.646, 221.933

Sweetspot

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



49, 79.545, 351.958



81, 36.865, 340.351



33, 115.979, 309.447



41, 25.128, 340.754



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, 79.545, 351.958



56, 87.714, 352.200



47, 89.506, 35.549



44, 6.224, 338.572



38, 66.685, 351.440



7, 27.934, 346.554

Inverse Universe

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



49, 79.545, 351.958



56, 87.714, 352.200



80, 50.900, 180.002



44, 6.224, 338.572



38, 66.685, 351.440



7, 27.934, 346.554

Previews

White Background



This preview shows how the CIELCh color 49, 79.646, 351.933 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, 79.646, 351.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

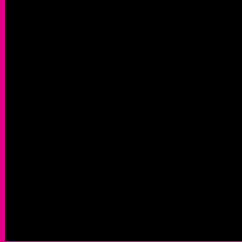
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 79.646, 351.933

Background



This preview shows how black text looks on a background with the CIELCh color 49, 79.646, 351.933.

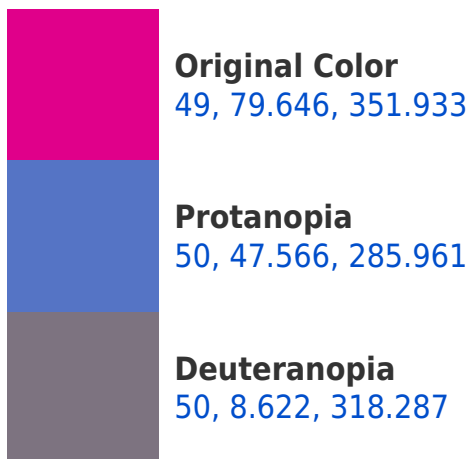


This preview shows how white text looks on a background with the CIELCh color 49, 79.646, 351.933.

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, 73.797, 31.597

Trichromacy



Original Color
49, 79.646, 351.933



Protanomaly
43, 62.221, 315.079



Deuteranomaly
44, 46.585, 339.976



Tritanomaly
48, 72.802, 15.688

Monochromacy



Original Color
49, 79.646, 351.933



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 42.348, 343.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 79.646, 351.933 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(224, 0, 138)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 138)  
}
```

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(224, 0, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 79.646, 351.933 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(224, 0, 138) }
```

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

```
.border{ border-color:rgb(224, 0, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 79.646, 351.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 138) }
```

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

```
.background{ background-color: rgb(224, 0,  
138) }
```

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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