

Converting Colors

CIELCh(49, 80.545, 350.251)

Have a look what the booklet for
CIELCh(49, 80.545, 350.251)
contains.

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Color

CIELCh(49, 80.207, 350.172)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | DF008E |
| RGB | 223, 0, 142 |
| RGB Percent | 87%, 0%, 56% |
| CMY | 0.1262, 1.0000, 0.4437 |
| CMYK | 0.00, 1.00, 0.36, 0.13 |
| HSL | 322°, 100%, 44% |
| HSV | 322°, 100%, 87% |
| XYZ | 35.2408, 17.5941, 27.0703 |
| YIQ | 82.8650, 87.3260, 91.4380 |

Conversions

Conversions Part 2

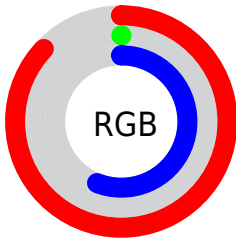
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 223, 0, 142 |
| Decimal | 14614670 |
| CIE _{Lab} | 49.00, 79.03, -13.69 |
| CIE _{LCh} | 49, 80.207, 350.172 |
| Yxy | 17.5941, 0.4410, 0.2202 |
| Android (android.graphics.Color) | 4292804750 (0xFFDF008E) |
| YUV | 82.8650, 29.1536, 122.8984 |
| Hunter-Lab | 41.9453, 76.5646, -8.9024 |

Details

The CIELCh color **49, 80.207, 350.172** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **78, 91.847, 142.982**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 73.955, 343.158**, and **35, 61.541, 355.338** is the 20% darker color. If you saturate the color by 10%, you get **49, 80.152, 350.184**, and if you desaturate by 10%, it is **50, 79.551, 347.666**.

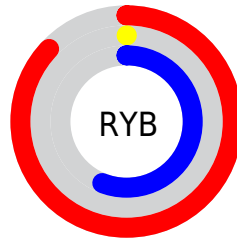
Distribution



Red (87%)

Green (0%)

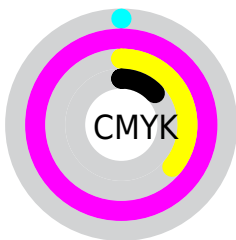
Blue (56%)



Red (87%)

Yellow (0%)

Blue (56%)

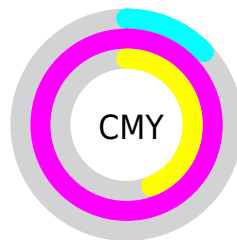


Cyan (0%)

Magenta (100%)

Yellow (36%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 80.207, 350.172 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, 80.207, 350.172 by changing the saturation by 10% instead.


 49, 80.207,
350.172


 49, 80.207,
350.172

 100, 80.207,
350.172

 39, 80.207,
350.172

 69, 80.207,
350.172


 29, 80.207,
350.172

 79, 80.207,
350.172

 19, 80.207,
350.172

 89, 80.207,
350.172

 9, 80.207, 350.172

 99, 80.207,
350.172

 0, 80.207, 350.172

 49, 80.207,

 49, 80.207,

350.172

■ 49, 80.152,
350.184

350.172

■ 50, 79.551,
347.666

■ 52, 76.777,
345.591

■ 54, 71.481,
343.906

■ 58, 63.974,
342.508

■ 62, 54.780,
341.315

■ 67, 44.461,
340.267

■ 72, 33.506,
339.327

■ 77, 22.287,
338.468

■ 83, 11.066,
337.664

Harmonies

Complementary

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



49, 80.207, 350.172



78, 91.847, 142.982

Rectangle

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



49, 80.207, 350.172



49, 80.207, 40.172



49, 80.207, 170.172



49, 80.207, 220.172

Sweetspot

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



49, 80.152, 350.184



81, 37.379, 339.348



32, 116.397, 308.915



41, 25.474, 339.737



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, 80.152, 350.184



56, 88.625, 350.413



47, 87.350, 33.601



44, 6.316, 337.620



39, 67.389, 349.716



7, 28.268, 345.216

Inverse Universe

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



49, 80.152, 350.184



56, 88.625, 350.413



80, 52.853, 176.017



44, 6.316, 337.620



39, 67.389, 349.716



7, 28.268, 345.216

Previews

White Background



This preview shows how the CIELCh color 49, 80.207, 350.172 looks on a white background.

Color Contrast Check

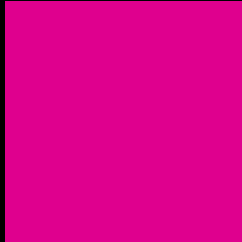
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.207, 350.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

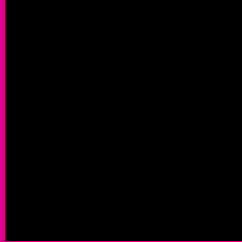
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 80.207, 350.172

Background



This preview shows how black text looks on a background with the CIELCh color 49, 80.207, 350.172.



This preview shows how white text looks on a background with the CIELCh color 49, 80.207, 350.172.

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, 80.207, 350.172

Protanopia
50, 51.060, 286.024

Deuteranopia
50, 10.490, 308.608



Tritanopia
50, 72.483, 31.206

Trichromacy



Original Color
49, 80.207, 350.172



Protanomaly
43, 65.230, 313.266



Deuteranomaly
44, 47.570, 336.969



Tritanomaly
48, 71.930, 14.834

Monochromacy



Original Color
49, 80.207, 350.172



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 42.660, 342.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 80.207, 350.172 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(223, 0, 142)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 142)  
}
```

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(223, 0, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 80.207, 350.172 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(223, 0, 142) }
```

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

```
.border{ border-color:rgb(223, 0, 142) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 80.207, 350.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 142) }
```

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

```
.background{ background-color: rgb(223, 0,  
142) }
```

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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