

Converting Colors

CIELCh(49, 78.145, 358.887)

Have a look what the booklet for
CIELCh(49, 78.145, 358.887)
contains.

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Color

CIELCh(49, 77.913, 358.824)

Conversions

Conversions Part 1

Format	Color
Hex	E2007A
RGB	226, 0, 122
RGB Percent	89%, 0%, 48%
CMY	0.1134, 0.9987, 0.5213
CMYK	0.00, 1.00, 0.46, 0.11
HSL	328°, 100%, 44%
HSV	328°, 100%, 89%
XYZ	34.9083, 17.5941, 19.9887
YIQ	81.4820, 95.5340, 85.8540

Conversions

Conversions Part 2

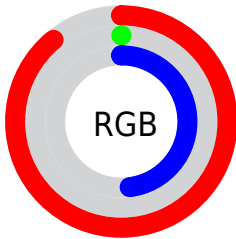
Format	Color
R_{YB}	226, 0, 122
Decimal	14811258
CIE _{Lab}	49.00, 77.90, -1.60
CIE _{LCh}	49, 77.913, 358.824
Yxy	17.5941, 0.4816, 0.2427
Android (android.graphics.Color)	4293001338 (0xFFE2007A)
YUV	81.4820, 19.9754, 126.7423
Hunter-Lab	41.9453, 75.1496, 1.1075

Details

The CIELCh color **49, 77.913, 358.824** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **79, 85.074, 146.967**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 69.265, 351.482**, and **35, 60.677, 6.220** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.921, 358.878**, and if you desaturate by 10%, it is **50, 76.913, 355.252**.

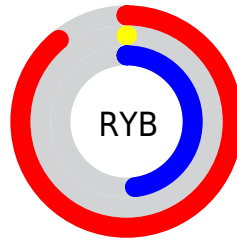
Distribution



Red (89%)

Green (0%)

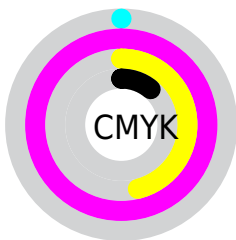
Blue (48%)



Red (89%)

Yellow (0%)

Blue (48%)

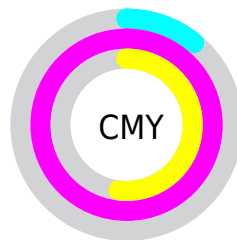


Cyan (0%)

Magenta (100%)

Yellow (46%)

Black (11%)



Cyan (11%)

Magenta (100%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 77.913, 358.824 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, 77.913, 358.824 by changing the saturation by 10% instead.

 49, 77.913,
358.824

 49, 77.913,
358.824

 100, 77.913,
358.824

 39, 77.913,
358.824

 69, 77.913,
358.824

 29, 77.913,
358.824


 79, 77.913,
358.824

 19, 77.913,
358.824

 89, 77.913,
358.824

 9, 77.913, 358.824

 99, 77.913,
358.824

 0, 77.913, 358.824

 49, 77.913,

 49, 77.913,

358.824

358.824

■ 49, 77.921,
358.878

■ 50, 76.913,
355.252

■ 52, 73.929,
352.345

■ 55, 68.584,
350.041


■ 58, 61.166,
348.189

■ 63, 52.188,
346.664

■ 67, 42.201,
345.374

■ 73, 31.675,
344.254

■ 78, 20.965,
343.260

 84, 10.310,
342.351

Harmonies

Complementary

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



49, 77.913, 358.824



79, 85.074, 146.967

Rectangle

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



49, 77.913, 358.824



49, 77.913, 48.824



49, 77.913, 178.824



49, 77.913, 228.824

Sweetspot

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



49, 77.909, 358.825



81, 35.094, 344.291



35, 115.264, 310.683



41, 23.943, 344.750



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, 77.909, 358.825



55, 85.275, 359.167



47, 93.424, 38.409



44, 5.901, 342.314



38, 64.744, 358.172



6, 26.868, 351.825

Inverse Universe

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



49, 77.909, 358.825



55, 85.275, 359.167



81, 47.723, 188.923



44, 5.901, 342.314



38, 64.744, 358.172



6, 26.868, 351.825

Previews

White Background



This preview shows how the CIELCh color 49, 77.913, 358.824 looks on a white background.

Color Contrast Check

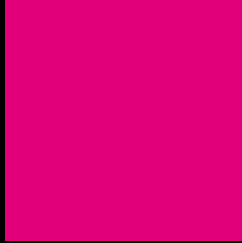
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.913, 358.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

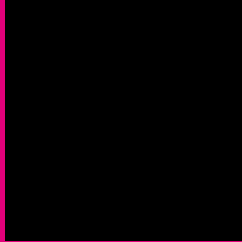
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 77.913, 358.824

Background



This preview shows how black text looks on a background with the CIELCh color 49, 77.913, 358.824.

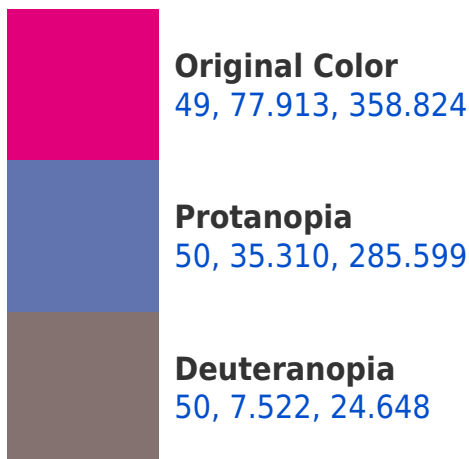


This preview shows how white text looks on a background with the CIELCh color 49, 77.913, 358.824.

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, 77.929, 33.117

Trichromacy



Original Color
49, 77.913, 358.824



Protanomaly
43, 53.443, 323.007



Deuteranomaly
44, 43.469, 352.262



Tritanomaly
48, 75.231, 20.114

Monochromacy



Original Color
49, 77.913, 358.824



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 41.162, 347.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 77.913, 358.824 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(226, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 122)  
}
```

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(226, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 77.913, 358.824 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(226, 0, 122) }
```

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

```
.border{ border-color:rgb(226, 0, 122) }
```

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

Here you see how a box with a 4 pixel rgb(226, 0, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(226, 0,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 77.913, 358.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 122) }
```

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

```
.background{ background-color: rgb(226, 0,  
122) }
```

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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