

Converting Colors

CIELCh(37, 117.784, 352.859)

Have a look what the booklet for
CIELCh(37, 117.784, 352.859)
contains.

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Color

CIELCh(49, 78.027, 2.869)

Conversions

Conversions Part 1

Format	Color
Hex	E40071
RGB	228, 0, 113
RGB Percent	89%, 0%, 44%
CMY	0.1062, 1.0000, 0.5563
CMYK	0.00, 1.00, 0.50, 0.11
HSL	330°, 100%, 45%
HSV	330°, 100%, 89%
XYZ	34.9178, 17.5941, 17.2231
YIQ	81.0540, 99.6150, 83.4790

Conversions

Conversions Part 2

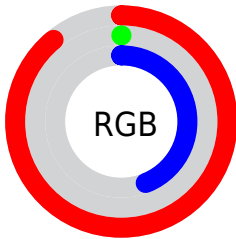
Format	Color
R_{YB}	228, 0, 113
Decimal	14942321
CIE Lab	49.00, 77.93, 3.91
CIE LCh	49, 78.027, 2.869
Yxy	17.5941, 0.5007, 0.2523
Android (android.graphics.Color)	4293132401 (0xFFE40071)
YUV	81.0540, 15.7494, 128.8716
Hunter-Lab	41.9453, 75.1902, 5.0166

Details

The CIELCh color **49, 78.027, 2.869** 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 **80, 82.070, 148.985**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.572, 355.770**, and **35, 61.475, 11.441** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.738, 2.988**, and if you desaturate by 10%, it is **50, 76.417, 358.941**.

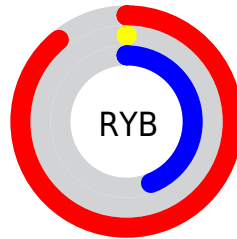
Distribution



Red (89%)

Green (0%)

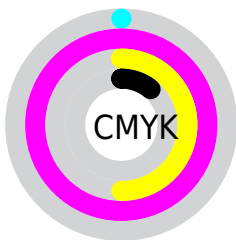
Blue (44%)



Red (89%)

Yellow (0%)

Blue (44%)

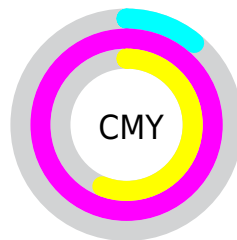


Cyan (0%)

Magenta (100%)

Yellow (50%)

Black (11%)



Cyan (11%)


Magenta (100%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 78.027, 2.869 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, 78.027, 2.869 by changing the saturation by 10% instead.

 49, 78.027, 2.869  49, 78.027, 2.869

 100, 78.027, 2.869  39, 78.027, 2.869

 69, 78.027, 2.869  29, 78.027, 2.869


 79, 78.027, 2.869  19, 78.027, 2.869

 89, 78.027, 2.869  9, 78.027, 2.869

 99, 78.027, 2.869  0, 78.027, 2.869

 49, 78.027, 2.869  49, 78.027, 2.869

 49, 77.738, 2.988  50, 76.417,
358.941

 52, 73.255,
355.639

■ 55, 67.831,
353.035

■ 59, 60.406,
350.961

■ 63, 51.480,
349.274

■ 68, 41.594,
347.866

■ 73, 31.212,
346.660

■ 79, 20.680,
345.600

■ 85, 10.231,
344.643

Harmonies

Complementary

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



49, 78.027, 2.869



80, 82.070, 148.985

Rectangle

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



49, 78.027, 2.869



49, 78.027, 52.869



49, 78.027, 182.869



49, 78.027, 232.869

Sweetspot

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



49, 77.738, 2.988



81, 34.189, 346.680



36, 114.798, 311.744



40, 23.341, 347.173



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, 77.738, 2.988



55, 84.591, 3.290



48, 96.066, 40.000



45, 5.839, 344.593



38, 64.823, 2.219



7, 27.577, 355.201

Inverse Universe

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



49, 77.738, 2.988



55, 84.591, 3.290



82, 46.037, 196.386



45, 5.839, 344.593



38, 64.823, 2.219



7, 27.577, 355.201

Previews

White Background



This preview shows how the CIELCh color 49, 78.027, 2.869 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, 78.027, 2.869 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, 78.027, 2.869

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.027, 2.869.

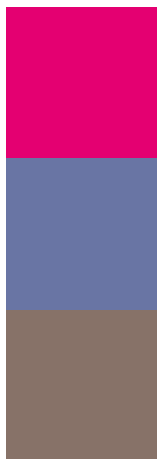


This preview shows how white text looks on a background with the CIELCh color 49, 78.027, 2.869.

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, 77.750, 3.070

Protanopia

50, 27.644, 285.438

Deuteranopia

50, 10.789, 52.742



Tritanopia
50, 80.653, 34.069

Trichromacy



Original Color
49, 77.750, 3.070



Protanomaly
43, 49.481, 328.595



Deuteranomaly
45, 42.940, 359.981

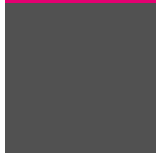


Tritanomaly
49, 77.559, 22.834

Monochromacy



Original Color
49, 77.750, 3.070



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 40.166, 350.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 78.027, 2.869 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(228, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(228, 0, 113)  
}
```

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(228, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 0, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.027, 2.869 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(228, 0, 113) }
```

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

```
.border{ border-color:rgb(228, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(228, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(228, 0,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.027, 2.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 0, 113) }
```

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

```
.background{ background-color: rgb(228, 0,  
113) }
```

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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