

Converting Colors

CIELCh(48, 76.491, 0.840)

Have a look what the booklet for
CIELCh(48, 76.491, 0.840) contains.

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Color

CIELCh(48, 76.491, 0.840)

Conversions

Conversions Part 1

Format	Color
Hex	DE0073
RGB	222, 0, 115
RGB Percent	87%, 0%, 45%
CMY	0.1290, 0.9984, 0.5487
CMYK	0.00, 1.00, 0.48, 0.13
HSL	329°, 100%, 44%
HSV	329°, 100%, 87%
XYZ	33.2608, 16.7945, 17.7345
YIQ	79.4880, 95.3970, 82.8290

Conversions

Conversions Part 2

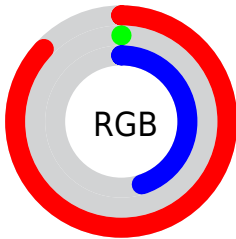
Format	Color
R_YB	222, 0, 115
Decimal	14549107
CIE Lab	48.00, 76.48, 1.12
CIE LCh	48, 76.491, 0.840
Yxy	16.7945, 0.4906, 0.2477
Android (android.graphics.Color)	4292739187 (0xFFDE0073)
YUV	79.4880, 17.5074, 124.9830
Hunter-Lab	40.9810, 73.1562, 3.0291

Details

The CIELCh color **48, 76.491, 0.840** 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 **78, 82.067, 148.037**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 68.448, 354.309**, and **34, 59.655, 9.237** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.507, 0.915**, and if you desaturate by 10%, it is **49, 75.316, 357.047**.

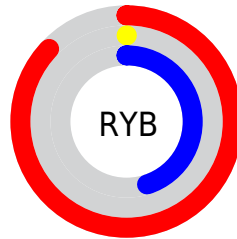
Distribution



Red (87%)

Green (0%)

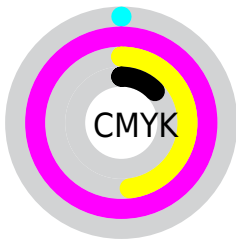
Blue (45%)



Red (87%)

Yellow (0%)

Blue (45%)

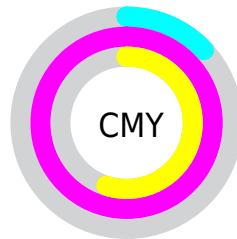


Cyan (0%)

Magenta (100%)

Yellow (48%)

Black (13%)



Cyan (13%)

Magenta (100%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.491, 0.840 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 48, 76.491, 0.840 by changing the saturation by 10% instead.

 48, 76.491, 0.840  48, 76.491, 0.840

 100, 76.491, 0.840  38, 76.491, 0.840



 68, 76.491, 0.840  28, 76.491, 0.840


 78, 76.491, 0.840  18, 76.491, 0.840

 88, 76.491, 0.840  8, 76.491, 0.840

 98, 76.491, 0.840  0, 76.491, 0.840

 48, 76.491, 0.840  48, 76.491, 0.840

 48, 76.507, 0.915  49, 75.316,
357.047

 51, 72.254,
353.958

■ 54, 66.925,
351.515

■ 57, 59.605,
349.561

■ 62, 50.793,
347.962

■ 66, 41.024,
346.617

■ 72, 30.754,
345.457

■ 77, 20.325,
344.432

■ 83, 9.966, 343.500

Harmonies

Complementary

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



48, 76.491, 0.840



78, 82.067, 148.037

Rectangle

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



48, 76.491, 0.840



48, 76.491, 50.840



48, 76.491, 180.840



48, 76.491, 230.840

Sweetspot

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



48, 76.487, 0.841



81, 34.620, 345.502



34, 113.298, 311.041



40, 23.628, 345.979



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 76.487, 0.841



55, 84.859, 1.271



46, 92.755, 38.886



44, 5.813, 343.468



38, 64.388, 0.210



6, 26.613, 353.443

Inverse Universe

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



48, 76.487, 0.841



55, 84.859, 1.271



80, 46.363, 191.349



44, 5.813, 343.468



38, 64.388, 0.210



6, 26.613, 353.443

Previews

White Background



This preview shows how the CIELCh color 48, 76.491, 0.840 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 48, 76.491, 0.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.491, 0.840

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.491, 0.840.



This preview shows how white text looks on a background with the CIELCh color 48, 76.491, 0.840.

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
48, 76.491, 0.840

Protanopia
49, 30.739, 285.125

Deuteranopia
49, 8.827, 43.537



Tritanopia
49, 77.939, 33.658

Trichromacy



Original Color
48, 76.491, 0.840



Protanomaly
42, 49.748, 325.776



Deuteranomaly
44, 42.575, 356.040



Tritanomaly
48, 75.304, 21.632

Monochromacy



Original Color
48, 76.491, 0.840



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 40.134, 349.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.491, 0.840 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(222, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 115)  
}
```

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(222, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.491, 0.840 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(222, 0, 115) }
```

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

```
.border{ border-color:rgb(222, 0, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.491, 0.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 115) }
```

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

```
.background{ background-color: rgb(222, 0,  
115) }
```

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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