

Converting Colors

CIELCh(48, 76.991, 1.145)

Have a look what the booklet for
CIELCh(48, 76.991, 1.145) contains.

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Color

CIELCh(48, 76.649, 1.504)

Conversions

Conversions Part 1

Format	Color
Hex	DF0072
RGB	223, 0, 114
RGB Percent	87%, 0%, 45%
CMY	0.1272, 1.0000, 0.5543
CMYK	0.00, 1.00, 0.49, 0.13
HSL	329°, 100%, 44%
HSV	329°, 100%, 87%
XYZ	33.3004, 16.7945, 17.3043
YIQ	79.6730, 96.3140, 82.7300

Conversions

Conversions Part 2

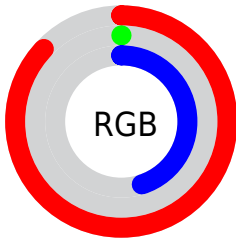
Format	Color
RYB	223, 0, 114
Decimal	14614642
CIELab	48.00, 76.62, 2.01
CIELCh	48, 76.649, 1.504
Yxy	16.7945, 0.4941, 0.2492
Android (android.graphics.Color)	4292804722 (0xFFDF0072)
YUV	79.6730, 16.9232, 125.6978
Hunter-Lab	40.9810, 73.3287, 3.6515

Details

The CIELCh color **48, 76.649, 1.504** 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, 81.744, 148.313**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 68.289, 354.742**, and **34, 59.945, 9.516** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.531, 1.551**, and if you desaturate by 10%, it is **49, 75.325, 357.676**.

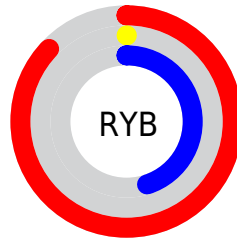
Distribution



Red (87%)

Green (0%)

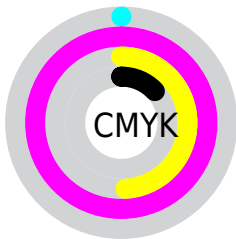
Blue (45%)



Red (87%)

Yellow (0%)

Blue (45%)

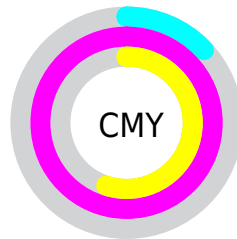


Cyan (0%)

Magenta (100%)

Yellow (49%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.649, 1.504 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, 76.649, 1.504 by changing the saturation by 10% instead.

 48, 76.649, 1.504  48, 76.649, 1.504

 100, 76.649, 1.504  38, 76.649, 1.504


 68, 76.649, 1.504  28, 76.649, 1.504


 78, 76.649, 1.504  18, 76.649, 1.504

 88, 76.649, 1.504  8, 76.649, 1.504

 98, 76.649, 1.504  0, 76.649, 1.504

 48, 76.649, 1.504  48, 76.649, 1.504

 48, 76.531, 1.551  49, 75.325,
357.676

 51, 72.271,
354.513

■ 54, 66.963,
352.015

■ 57, 59.666,
350.020

■ 62, 50.876,
348.390

■ 66, 41.128,
347.023

■ 72, 30.878,
345.847

■ 77, 20.468,
344.810

■ 83, 10.131,
343.870

Harmonies

Complementary

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



48, 76.649, 1.504



78, 81.744, 148.313

Rectangle

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



48, 76.649, 1.504



48, 76.649, 51.504



48, 76.649, 181.504



48, 76.649, 231.504

Sweetspot

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



48, 76.531, 1.551



81, 34.482, 345.872



35, 113.153, 311.388



40, 23.536, 346.353



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, 76.531, 1.551



55, 84.761, 1.907



46, 93.659, 39.456



44, 5.787, 343.820



38, 64.300, 0.827



6, 26.541, 353.935

Inverse Universe

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



48, 76.531, 1.551



55, 84.761, 1.907



81, 45.797, 193.830



44, 5.787, 343.820



38, 64.300, 0.827



6, 26.541, 353.935

Previews

White Background



This preview shows how the CIELCh color 48, 76.649, 1.504 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, 76.649, 1.504 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, 76.649, 1.504

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.649, 1.504.



This preview shows how white text looks on a background with the CIELCh color 48, 76.649, 1.504.

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, 76.649, 1.504

Protanopia

49, 29.558, 285.147

Deuteranopia

49, 9.409, 49.860



Tritanopia
48, 78.380, 33.824

Trichromacy



Original Color
48, 76.649, 1.504



Protanomaly
43, 49.418, 326.569



Deuteranomaly
43, 42.413, 356.795



Tritanomaly
48, 75.478, 22.059

Monochromacy



Original Color
48, 76.649, 1.504



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 39.893, 350.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.649, 1.504 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.649, 1.504 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, 114) }
```

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

```
.border{ border-color:rgb(223, 0, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.649, 1.504 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, 114) }
```

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

```
.background{ background-color: rgb(223, 0,  
114) }
```

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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