

Converting Colors

CIELCh(48, 76.830, 5.973)

Have a look what the booklet for
CIELCh(48, 76.830, 5.973) contains.

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Color

CIELCh(48, 76.550, 6.074)

Conversions

Conversions Part 1

Format	Color
Hex	E00068
RGB	224, 0, 104
RGB Percent	88%, 0%, 41%
CMY	0.1224, 1.0000, 0.5928
CMYK	0.00, 1.00, 0.54, 0.12
HSL	332°, 100%, 44%
HSV	332°, 100%, 88%
XYZ	33.1582, 16.7945, 14.5477
YIQ	78.8320, 100.1200, 79.8320

Conversions

Conversions Part 2

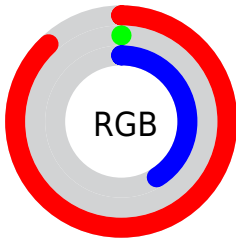
Format	Color
RYB	224, 0, 104
Decimal	14680168
CIELab	48.00, 76.12, 8.10
CIElCh	48, 76.550, 6.074
Yxy	16.7945, 0.5141, 0.2604
Android (android.graphics.Color)	4292870248 (0xFFE00068)
YUV	78.8320, 12.4078, 127.3123
Hunter-Lab	40.9810, 72.7095, 7.6396

Details

The CIELCh color **48, 76.550, 6.074** 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, 78.156, 150.715**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.844, 359.658**, and **34, 60.590, 14.869** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.496, 6.099**, and if you desaturate by 10%, it is **49, 74.843, 1.740**.

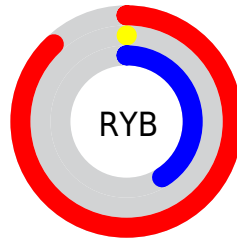
Distribution



Red (88%)

Green (0%)

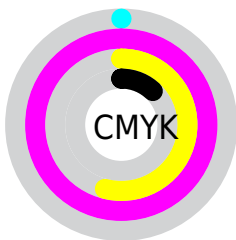
Blue (41%)



Red (88%)

Yellow (0%)

Blue (41%)

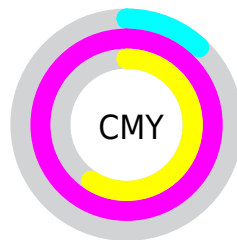


Cyan (0%)

Magenta (100%)

Yellow (54%)

Black (12%)



Cyan (12%)

Magenta (100%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 76.550, 6.074 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, 76.550, 6.074 by changing the saturation by 10% instead.


 48, 76.550, 6.074  48, 76.550, 6.074

 100, 76.550, 6.074  38, 76.550, 6.074

 68, 76.550, 6.074  28, 76.550, 6.074


 78, 76.550, 6.074  18, 76.550, 6.074

 88, 76.550, 6.074  8, 76.550, 6.074

 98, 76.550, 6.074  0, 76.550, 6.074

 48, 76.550, 6.074  48, 76.550, 6.074

 48, 76.496, 6.099  49, 74.843, 1.740

 51, 71.502,
358.166

■ 54, 66.035,
355.351

■ 57, 58.682,
353.119

■ 62, 49.919,
351.317

■ 67, 40.269,
349.824

■ 72, 30.175,
348.556

■ 77, 19.968,
347.452

■ 83, 9.867, 346.460

Harmonies

Complementary

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



48, 76.550, 6.074



79, 78.156, 150.715

Rectangle

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



48, 76.550, 6.074



48, 76.550, 56.074



48, 76.550, 186.074



48, 76.550, 236.074

Sweetspot

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



48, 76.496, 6.099



81, 33.549, 348.582



37, 112.394, 312.542



40, 22.917, 349.099



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, 76.496, 6.099



55, 84.423, 6.482



47, 94.326, 40.276



44, 5.611, 346.407



38, 63.933, 5.271



6, 26.105, 357.361

Inverse Universe

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



48, 76.496, 6.099



55, 84.423, 6.482



79, 43.350, 201.849



44, 5.611, 346.407



38, 63.933, 5.271



6, 26.105, 357.361

Previews

White Background



This preview shows how the CIELCh color 48, 76.550, 6.074 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, 76.550, 6.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

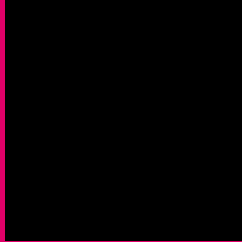
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.550, 6.074

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.550, 6.074.



This preview shows how white text looks on a background with the CIELCh color 48, 76.550, 6.074.

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, 76.550, 6.074

Protanopia

49, 21.286, 284.483

Deuteranopia

49, 13.902, 62.204



Tritanopia
48, 80.868, 34.563

Trichromacy



Original Color
48, 76.550, 6.074



Protanomaly
43, 44.920, 333.736



Deuteranomaly
44, 42.384, 5.566



Tritanomaly
48, 77.704, 24.493

Monochromacy



Original Color
48, 76.550, 6.074



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 39.534, 353.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.550, 6.074 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(224, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 104)  
}
```

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(224, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.550, 6.074 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(224, 0, 104) }
```

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

```
.border{ border-color:rgb(224, 0, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.550, 6.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 104) }
```

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

```
.background{ background-color: rgb(224, 0,  
104) }
```

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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