

Converting Colors

CIELCh(48, 76.674, 5.281)

Have a look what the booklet for
CIELCh(48, 76.674, 5.281) contains.

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Color

CIELCh(48, 76.574, 5.200)

Conversions

Conversions Part 1

Format	Color
Hex	E0006A
RGB	224, 0, 106
RGB Percent	88%, 0%, 42%
CMY	0.1230, 1.0000, 0.5855
CMYK	0.00, 1.00, 0.53, 0.12
HSL	332°, 100%, 44%
HSV	332°, 100%, 88%
XYZ	33.1974, 16.7945, 15.0484
YIQ	79.0600, 99.4780, 80.4540

Conversions

Conversions Part 2

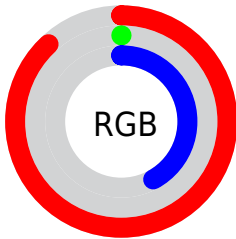
Format	Color
R_{YB}	224, 0, 106
Decimal	14680170
CIE Lab	48.00, 76.26, 6.94
CIE LCh	48, 76.574, 5.200
Yxy	16.7945, 0.5104, 0.2582
Android (android.graphics.Color)	4292870250 (0xFFE0006A)
YUV	79.0600, 13.2814, 127.1124
Hunter-Lab	40.9810, 72.8801, 6.9152

Details

The CIELCh color **48, 76.574, 5.200** 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, 78.850, 150.247**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.064, 358.744**, and **34, 60.806, 14.524** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.476, 5.244**, and if you desaturate by 10%, it is **49, 74.916, 0.972**.

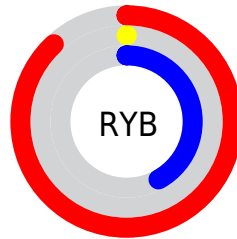
Distribution



Red (88%)

Green (0%)

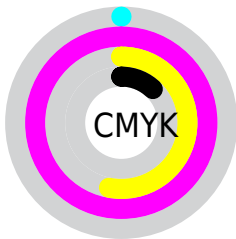
Blue (42%)



Red (88%)

Yellow (0%)

Blue (42%)

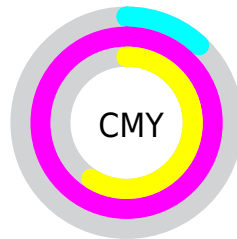


Cyan (0%)

Magenta (100%)

Yellow (53%)

Black (12%)



Cyan (12%)

Magenta (100%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.574, 5.200 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, 76.574, 5.200 by changing the saturation by 10% instead.

 48, 76.574, 5.200  48, 76.574, 5.200

 100, 76.574, 5.200  38, 76.574, 5.200

 68, 76.574, 5.200  28, 76.574, 5.200


 78, 76.574, 5.200  18, 76.574, 5.200

 88, 76.574, 5.200  8, 76.574, 5.200

 98, 76.574, 5.200  0, 76.574, 5.200

 48, 76.574, 5.200  48, 76.574, 5.200

 48, 76.476, 5.244  49, 74.916, 0.972

 51, 71.636,
357.474

■ 54, 66.204,
354.717

■ 57, 58.864,
352.529

■ 62, 50.099,
350.759

■ 67, 40.431,
349.290

■ 72, 30.308,
348.039

■ 77, 20.063,
346.947

■ 83, 9.917, 345.965

Harmonies

Complementary

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



48, 76.574, 5.200



79, 78.850, 150.247

Rectangle

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



48, 76.574, 5.200



48, 76.574, 55.200



48, 76.574, 185.200



48, 76.574, 235.200

Sweetspot

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



48, 76.476, 5.244



81, 33.717, 348.064



36, 112.741, 312.143



40, 23.028, 348.575



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, 76.476, 5.244



55, 84.438, 5.622



47, 94.486, 40.138



44, 5.643, 345.912



38, 63.967, 4.434



6, 26.177, 356.736

Inverse Universe

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



48, 76.476, 5.244



55, 84.438, 5.622



80, 44.313, 199.046



44, 5.643, 345.912



38, 63.967, 4.434



6, 26.177, 356.736

Previews

White Background



This preview shows how the CIELCh color 48, 76.574, 5.200 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, 76.574, 5.200 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, 76.574, 5.200

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.574, 5.200.

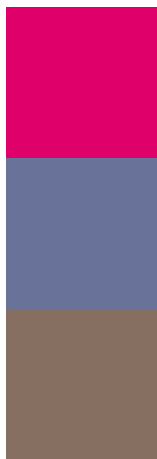


This preview shows how white text looks on a background with the CIELCh color 48, 76.574, 5.200.

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, 76.574, 5.200

Protanopia

49, 22.478, 284.281

Deuteranopia

49, 13.483, 60.539



Tritanopia
49, 80.441, 34.399

Trichromacy



Original Color
48, 76.574, 5.200



Protanomaly
43, 45.548, 332.272



Deuteranomaly
44, 42.514, 3.990



Tritanomaly
48, 77.381, 24.186

Monochromacy



Original Color
48, 76.574, 5.200



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 39.741, 352.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.574, 5.200 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.574, 5.200 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, 106) }
```

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

```
.border{ border-color:rgb(224, 0, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.574, 5.200 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, 106) }
```

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

```
.background{ background-color: rgb(224, 0,  
106) }
```

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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