

Converting Colors

CIELCh(48, 75.641, 3.750)

Have a look what the booklet for
CIELCh(48, 75.641, 3.750) contains.

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Color

CIELCh(48, 75.623, 3.677)

Conversions

Conversions Part 1

Format	Color
Hex	DE076D
RGB	222, 7, 109
RGB Percent	87%, 3%, 43%
CMY	0.1293, 0.9719, 0.5724
CMYK	0.00, 0.97, 0.51, 0.13
HSL	332°, 94%, 45%
HSV	332°, 97%, 87%
XYZ	32.9740, 16.7945, 15.9796
YIQ	82.9130, 95.3980, 77.3020

Conversions

Conversions Part 2

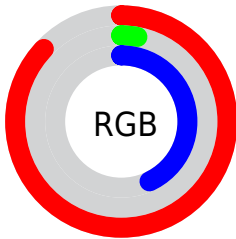
Format	Color
RYB	222, 7, 109
Decimal	14550893
CIELab	48.00, 75.47, 4.85
CIELCh	48, 75.623, 3.677
Yxy	16.7945, 0.5015, 0.2554
Android (android.graphics.Color)	4292740973 (0xFFDE076D)
YUV	82.9130, 12.8609, 121.9793
Hunter-Lab	40.9810, 71.9072, 5.5680

Details

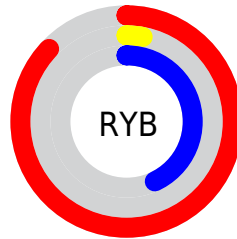
The CIELCh color **48, 75.623, 3.677** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **78, 77.054, 150.907**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.023, 357.557**, and **34, 59.920, 12.240** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.072, 5.091**, and if you desaturate by 10%, it is **49, 73.705, 359.623**.

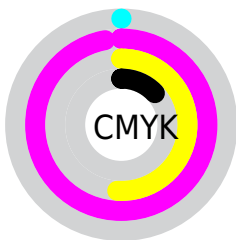
Distribution



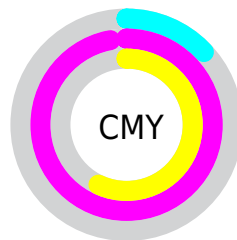
- Red (87%)
- Green (3%)
- Blue (43%)



- Red (87%)
- Yellow (3%)
- Blue (43%)



- Cyan (0%)
- Magenta (97%)
- Yellow (51%)
- Black (13%)




- Cyan (13%)
- Magenta (97%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 75.623, 3.677 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, 75.623, 3.677 by changing the saturation by 10% instead.

 48, 75.623, 3.677  48, 75.623, 3.677

 100, 75.623, 3.677  38, 75.623, 3.677

 68, 75.623, 3.677  28, 75.623, 3.677


 78, 75.623, 3.677  18, 75.623, 3.677

 88, 75.623, 3.677  8, 75.623, 3.677

 98, 75.623, 3.677  0, 75.623, 3.677

 48, 75.623, 3.677  48, 75.623, 3.677

 48, 76.072, 5.091  49, 73.705,
359.623

 51, 69.750,
356.397

■ 54, 63.692,
353.854

■ 58, 55.876,
351.825

■ 63, 46.812,
350.169

■ 68, 37.005,
348.782

■ 73, 26.865,
347.591

■ 79, 16.684,
346.542

■ 84, 6.653, 345.579

Harmonies

Complementary

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



48, 75.623, 3.677



78, 77.054, 150.907

Rectangle

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



48, 75.623, 3.677



48, 75.623, 53.677



48, 75.623, 183.677



48, 75.623, 233.677

Sweetspot

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



48, 75.619, 3.678



81, 32.604, 347.868



37, 110.787, 312.350



41, 22.403, 348.377



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, 75.619, 3.678



55, 84.442, 5.489



47, 92.258, 39.379



44, 5.648, 345.836



38, 63.974, 4.304



6, 26.189, 356.638

Inverse Universe

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



48, 75.619, 3.678



55, 84.442, 5.489



79, 43.931, 198.978



44, 5.648, 345.836



38, 63.974, 4.304



6, 26.189, 356.638

Previews

White Background



This preview shows how the CIELCh color 48, 75.623, 3.677 looks on a white background.

Color Contrast Check

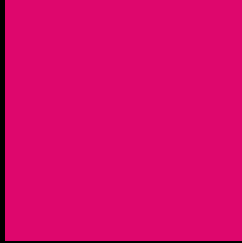
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.623, 3.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

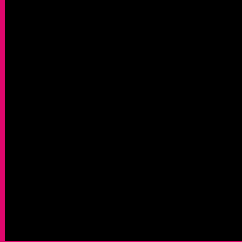
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 75.623, 3.677

Background



This preview shows how black text looks on a background with the CIELCh color 48, 75.623, 3.677.



This preview shows how white text looks on a background with the CIELCh color 48, 75.623, 3.677.

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, 75.623, 3.677

Protanopia

49, 25.429, 285.102

Deuteranopia

49, 11.209, 55.087



Tritanopia
48, 78.819, 33.989

Trichromacy



Original Color

48, 75.623, 3.677



Protanomaly

43, 45.674, 329.507



Deuteranomaly

44, 41.099, 1.792



Tritanomaly

48, 75.561, 23.126

Monochromacy



Original Color

48, 75.623, 3.677



Achromatopsia

35, 0.005, 296.813



Achromatomaly

35, 38.350, 352.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 75.623, 3.677 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, 7, 109)` looks like.

```
.text, #text, p{  
    color:rgb(222, 7, 109)  
}
```

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, 7, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 7, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 75.623, 3.677 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, 7, 109) }
```

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

```
.border{ border-color:rgb(222, 7, 109) }
```

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

Here you see how a box with a 4 pixel rgb(222, 7, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 7, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 7, 109);  
box-shadow:4px 4px 4px 4px rgb(222, 7,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 75.623, 3.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 7, 109) }
```

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

```
.background{ background-color: rgb(222, 7,  
109) }
```

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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