

Converting Colors

CIELCh(48, 75.464, 3.822)

Have a look what the booklet for
CIELCh(48, 75.464, 3.822) contains.

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Color

CIELCh(48, 75.468, 3.745)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | DE096D |
| RGB | 222, 9, 109 |
| RGB Percent | 87%, 4%, 43% |
| CMY | 0.1300, 0.9664, 0.5730 |
| CMYK | 0.00, 0.96, 0.51, 0.13 |
| HSL | 332°, 93%, 45% |
| HSV | 332°, 96%, 87% |
| XYZ | 32.9289, 16.7945, 15.9435 |
| YIQ | 84.0870, 94.8480, 76.2560 |

Conversions

Conversions Part 2

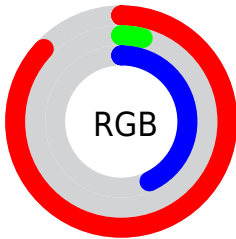
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 222, 9, 109 |
| Decimal | 14551405 |
| CIE Lab | 48.00, 75.31, 4.93 |
| CIE LCh | 48, 75.468, 3.745 |
| Yxy | 16.7945, 0.5015, 0.2558 |
| Android (android.graphics.Color) | 4292741485 (0xFFDE096D) |
| YUV | 84.0870, 12.2821, 120.9497 |
| Hunter-Lab | 40.9810, 71.7105, 5.6202 |

Details

The CIELCh color **48, 75.468, 3.745** 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, 76.419, 151.249**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.614, 357.728**, and **34, 59.920, 12.240** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.014, 5.449**, and if you desaturate by 10%, it is **49, 73.413, 359.706**.

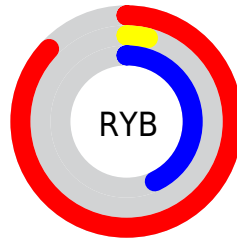
Distribution



Red (87%)

Green (4%)

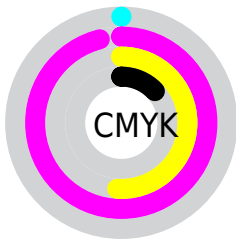
Blue (43%)



Red (87%)

Yellow (4%)

Blue (43%)

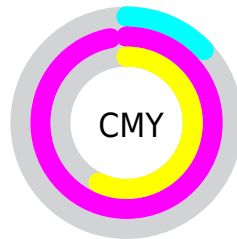


Cyan (0%)

Magenta (96%)

Yellow (51%)

Black (13%)



Cyan (13%)

Magenta (97%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 75.468, 3.745 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, 75.468, 3.745 by changing the saturation by 10% instead.

 48, 75.468, 3.745  48, 75.468, 3.745

 100, 75.468, 3.745  38, 75.468, 3.745



 68, 75.468, 3.745  28, 75.468, 3.745


 78, 75.468, 3.745  18, 75.468, 3.745

 88, 75.468, 3.745  8, 75.468, 3.745

 98, 75.468, 3.745  0, 75.468, 3.745

 48, 75.468, 3.745  48, 75.468, 3.745

 48, 76.014, 5.449  49, 73.413,
359.706

 52, 69.304,
356.500

■ 55, 63.116,
353.972

■ 59, 55.209,
351.953

■ 63, 46.096,
350.305

■ 68, 36.276,
348.924

■ 73, 26.148,
347.737

■ 79, 15.999,
346.691

■ 85, 6.011, 345.724

Harmonies

Complementary

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



48, 75.468, 3.745



78, 76.419, 151.249

Rectangle

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



48, 75.468, 3.745



48, 75.468, 53.745



48, 75.468, 183.745



48, 75.468, 233.745

Sweetspot

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



48, 75.464, 3.746



81, 32.534, 348.086



37, 110.463, 312.393



41, 22.356, 348.597



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, 75.464, 3.746



55, 84.432, 5.853



47, 91.880, 39.244



44, 5.634, 346.044



38, 63.956, 4.658



6, 26.157, 356.905

Inverse Universe

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



48, 75.464, 3.746



55, 84.432, 5.853



79, 43.876, 198.965



44, 5.634, 346.044



38, 63.956, 4.658



6, 26.157, 356.905

Previews

White Background



This preview shows how the CIELCh color 48, 75.468, 3.745 looks on a white background.

Color Contrast Check

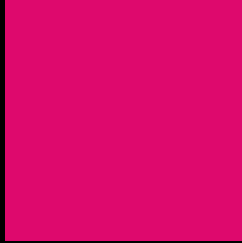
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.468, 3.745 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, 75.468, 3.745

Background



This preview shows how black text looks on a background with the CIELCh color 48, 75.468, 3.745.



This preview shows how white text looks on a background with the CIELCh color 48, 75.468, 3.745.

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, 75.468, 3.745

Protanopia

49, 25.429, 285.102

Deuteranopia

49, 11.209, 55.087



Tritanopia
48, 78.819, 33.989

Trichromacy



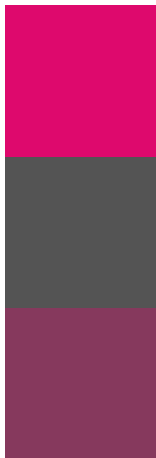
Original Color
48, 75.468, 3.745

Protanomaly
43, 45.053, 329.510

Deuteranomaly
44, 40.606, 2.207

Tritanomaly
48, 75.561, 23.126

Monochromacy



Original Color
48, 75.468, 3.745

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 37.484, 351.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 75.468, 3.745 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, 9, 109)` looks like.

```
.text, #text, p{  
    color:rgb(222, 9, 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, 9, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 9, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 75.468, 3.745 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, 9, 109) }
```

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

```
.border{ border-color:rgb(222, 9, 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, 9, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 9, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 9, 109);  
box-shadow:4px 4px 4px 4px rgb(222, 9,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 75.468, 3.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 9, 109) }
```

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

```
.background{ background-color: rgb(222, 9,  
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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