

Converting Colors

CIELCh(45, 86.471, 355.157)

Have a look what the booklet for
CIELCh(45, 86.471, 355.157)
contains.

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Color

CIELCh(48, 77.094, 357.871)

Conversions

Conversions Part 1

Format	Color
Hex	DD007A
RGB	221, 0, 122
RGB Percent	87%, 0%, 48%
CMY	0.1316, 1.0000, 0.5233
CMYK	0.00, 1.00, 0.45, 0.13
HSL	327°, 100%, 43%
HSV	327°, 100%, 87%
XYZ	33.4190, 16.7945, 19.7474
YIQ	79.9870, 92.5540, 84.7940

Conversions

Conversions Part 2

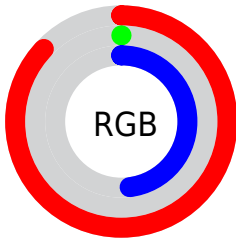
Format	Color
R_{YB}	221, 0, 122
Decimal	14483578
CIE Lab	48.00, 77.04, -2.86
CIE LCh	48, 77.094, 357.871
Yxy	16.7945, 0.4777, 0.2401
Android (android.graphics.Color)	4292673658 (0xFFDD007A)
YUV	79.9870, 20.7124, 123.6684
Hunter-Lab	40.9810, 73.8456, 0.1168

Details

The CIELCh color **48, 77.094, 357.871** 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, 84.560, 146.529**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 69.687, 351.355**, and **34, 59.346, 4.734** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.936, 357.925**, and if you desaturate by 10%, it is **49, 75.999, 354.468**.

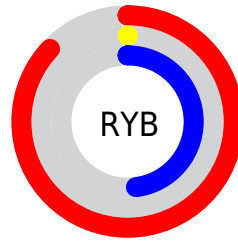
Distribution



Red (87%)

Green (0%)

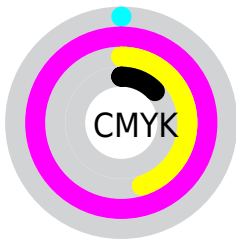
Blue (48%)



Red (87%)

Yellow (0%)

Blue (48%)

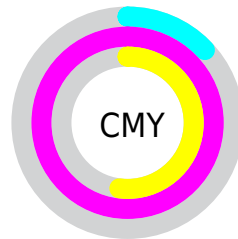


Cyan (0%)

Magenta (100%)

Yellow (45%)

Black (13%)



Cyan (13%)


Magenta (100%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 77.094, 357.871 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, 77.094, 357.871 by changing the saturation by 10% instead.


 48, 77.094,
357.871


 48, 77.094,
357.871


 100, 77.094,
357.871


 38, 77.094,
357.871

 68, 77.094,
357.871


 28, 77.094,
357.871

 78, 77.094,
357.871

 18, 77.094,
357.871

 88, 77.094,
357.871

 8, 77.094, 357.871

 98, 77.094,
357.871

 0, 77.094, 357.871

 48, 77.094,

 48, 77.094,

357.871

357.871

■ 48, 76.936,
357.925

■ 49, 75.999,
354.468

■ 51, 73.106,
351.647

■ 54, 67.872,
349.407

■ 57, 60.580,
347.603

■ 61, 51.736,
346.112

■ 66, 41.884,
344.847

■ 71, 31.488,
343.746

■ 77, 20.898,
342.765

■ 82, 10.355,
341.867

Harmonies

Complementary

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



48, 77.094, 357.871



78, 84.560, 146.529

Rectangle

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



48, 77.094, 357.871



48, 77.094, 47.871



48, 77.094, 177.871



48, 77.094, 227.871

Sweetspot

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



48, 76.936, 357.925



81, 35.306, 343.770



34, 113.530, 310.689



41, 24.085, 344.223



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, 76.936, 357.925



55, 85.500, 358.256



46, 92.005, 38.403



43, 5.829, 341.817



37, 64.241, 357.247



6, 25.627, 351.003

Inverse Universe

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



48, 76.936, 357.925



55, 85.500, 358.256



80, 46.993, 188.922



43, 5.829, 341.817



37, 64.241, 357.247



6, 25.627, 351.003

Previews

White Background



This preview shows how the CIELCh color 48, 77.094, 357.871 looks on a white background.

Color Contrast Check

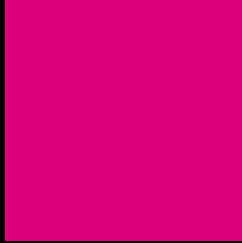
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.094, 357.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

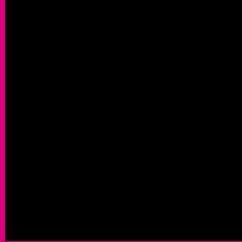
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 77.094, 357.871

Background



This preview shows how black text looks on a background with the CIELCh color 48, 77.094, 357.871.

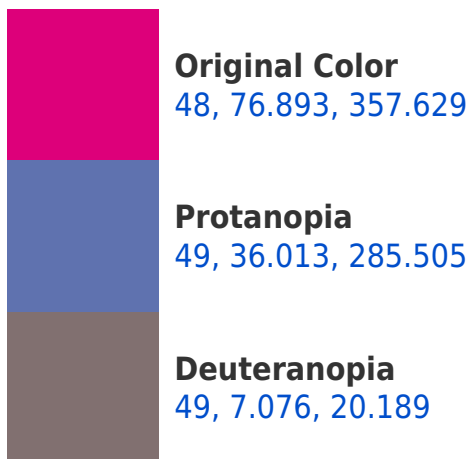


This preview shows how white text looks on a background with the CIELCh color 48, 77.094, 357.871.

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





Tritanopia
49, 76.396, 32.933

Trichromacy



Original Color
48, 76.893, 357.629



Protanomaly
43, 53.677, 321.588



Deuteranomaly
44, 43.430, 351.278



Tritanomaly
48, 74.020, 19.971

Monochromacy



Original Color
48, 76.893, 357.629



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 40.379, 347.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 77.094, 357.871 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(221, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 122)  
}
```

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(221, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 77.094, 357.871 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(221, 0, 122) }
```

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

```
.border{ border-color:rgb(221, 0, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 0, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 77.094, 357.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 122) }
```

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

```
.background{ background-color: rgb(221, 0,  
122) }
```

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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