

Converting Colors

CIELCh(46, 75.061, 357.607)

Have a look what the booklet for
CIELCh(46, 75.061, 357.607)
contains.

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Color

CIELCh(46, 74.752, 357.790)

Conversions

Conversions Part 1

Format	Color
Hex	D40074
RGB	212, 0, 116
RGB Percent	83%, 0%, 45%
CMY	0.1674, 1.0000, 0.5433
CMYK	0.00, 1.00, 0.45, 0.17
HSL	327°, 100%, 42%
HSV	327°, 100%, 83%
XYZ	30.3997, 15.2687, 18.0065
YIQ	76.6120, 89.1160, 81.0200

Conversions

Conversions Part 2

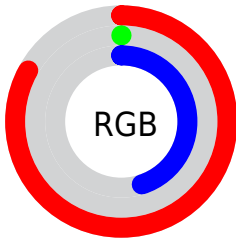
Format	Color
R_{YB}	212, 0, 116
Decimal	13893748
CIE _{Lab}	46.00, 74.70, -2.88
CIE _{LCh}	46, 74.752, 357.790
Yxy	15.2687, 0.4774, 0.2398
Android (android.graphics.Color)	4292083828 (0xFFD40074)
YUV	76.6120, 19.4183, 118.7353
Hunter-Lab	39.0751, 70.4882, 0.0307

Details

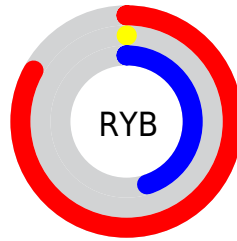
The CIELCh color **46, 74.752, 357.790** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **75, 81.785, 146.612**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 69.435, 353.600**, and **32, 57.108, 5.950** is the 20% darker color. If you saturate the color by 10%, you get **46, 74.558, 357.858**, and if you desaturate by 10%, it is **47, 73.583, 354.430**.

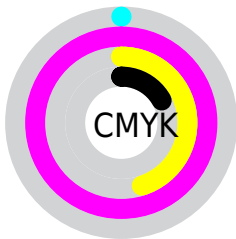
Distribution



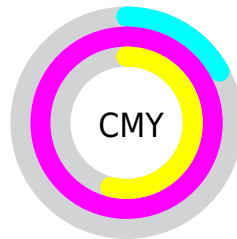
- Red (83%)
- Green (0%)
- Blue (45%)



- Red (83%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (17%)




- Cyan (17%)
- Magenta (100%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 74.752, 357.790 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 46, 74.752, 357.790 by changing the saturation by 10% instead.


 46, 74.752,
357.790


 46, 74.752,
357.790


 100, 74.752,
357.790


 36, 74.752,
357.790

 66, 74.752,
357.790


 26, 74.752,
357.790

 76, 74.752,
357.790

 16, 74.752,
357.790

 86, 74.752,
357.790

 6, 74.752, 357.790

 96, 74.752,
357.790

 0, 74.752, 357.790

 46, 74.752,

 46, 74.752,

357.790

357.790

■ 46, 74.558,
357.858

■ 47, 73.583,
354.430

■ 49, 70.737,
351.627

■ 52, 65.637,
349.400

■ 55, 58.560,
347.604

■ 59, 49.998,
346.120

■ 64, 40.469,
344.859

■ 69, 30.421,
343.761

■ 74, 20.190,
342.783

■ 79, 10.004,
341.887

Harmonies

Complementary

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



46, 74.752, 357.790



75, 81.785, 146.612

Rectangle

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



46, 74.752, 357.790



46, 74.752, 47.790



46, 74.752, 177.790



46, 74.752, 227.790

Sweetspot

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



46, 74.558, 357.858



81, 35.297, 343.793



32, 109.965, 310.718



41, 24.079, 344.246



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 74.558, 357.858



55, 85.489, 358.297



44, 89.050, 38.324



42, 5.715, 341.837



37, 63.543, 357.240



5, 24.075, 350.941

Inverse Universe

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



46, 74.558, 357.858



55, 85.489, 358.297



77, 45.526, 188.941



42, 5.715, 341.837



37, 63.543, 357.240



5, 24.075, 350.941

Previews

White Background



This preview shows how the CIELCh color 46, 74.752, 357.790 looks on a white background.

Color Contrast Check

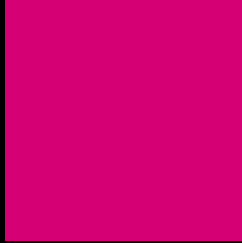
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 74.752, 357.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

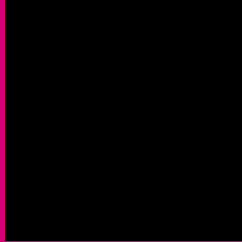
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 74.752, 357.790

Background



This preview shows how black text looks on a background with the CIELCh color 46, 74.752, 357.790.



This preview shows how white text looks on a background with the CIELCh color 46, 74.752, 357.790.

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

46, 74.445, 357.975

Protanopia

47, 35.093, 285.723

Deuteranopia

47, 6.711, 20.171



Tritanopia
47, 73.822, 32.847

Trichromacy



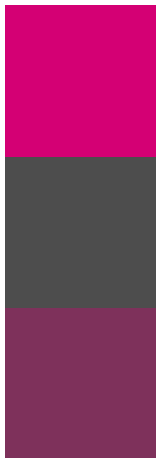
Original Color
46, 74.445, 357.975

Protanomaly
41, 52.192, 321.774

Deuteranomaly
42, 41.585, 350.894

Tritanomaly
46, 71.697, 19.739

Monochromacy



Original Color
46, 74.445, 357.975

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 39.065, 347.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 74.752, 357.790 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(212, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 116)  
}
```

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(212, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 74.752, 357.790 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(212, 0, 116) }
```

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

```
.border{ border-color:rgb(212, 0, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 74.752, 357.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 116) }
```

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

```
.background{ background-color: rgb(212, 0,  
116) }
```

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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