

Converting Colors

CIELCh(46, 74.676, 6.416)

Have a look what the booklet for
CIELCh(46, 74.676, 6.416) contains.

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Color

CIELCh(46, 74.222, 6.774)

Conversions

Conversions Part 1

Format	Color
Hex	D70062
RGB	215, 0, 98
RGB Percent	84%, 0%, 38%
CMY	0.1579, 1.0000, 0.6165
CMYK	0.00, 1.00, 0.54, 0.16
HSL	333°, 100%, 42%
HSV	333°, 100%, 84%
XYZ	30.1358, 15.2687, 12.8657
YIQ	75.4570, 96.6820, 76.0580

Conversions

Conversions Part 2

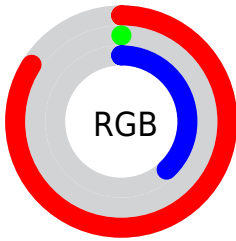
Format	Color
R_{YB}	215, 0, 98
Decimal	14090338
CIE _{Lab}	46.00, 73.70, 8.75
CIE _{LCh}	46, 74.222, 6.774
Yxy	15.2687, 0.5172, 0.2620
Android (android.graphics.Color)	4292280418 (0xFFD70062)
YUV	75.4570, 11.1137, 122.3792
Hunter-Lab	39.0751, 69.2824, 7.8311

Details

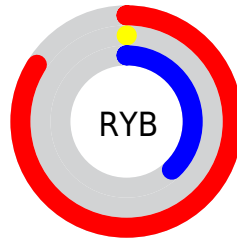
The CIELCh color **46, 74.222, 6.774** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **76, 74.970, 151.247**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.003, 2.519**, and **32, 58.683, 16.531** is the 20% darker color. If you saturate the color by 10%, you get **46, 74.156, 6.806**, and if you desaturate by 10%, it is **47, 72.410, 2.407**.

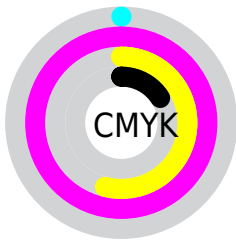
Distribution



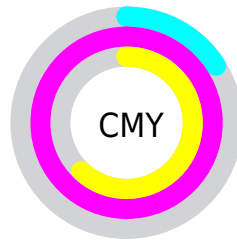
- Red (84%)
- Green (0%)
- Blue (38%)



- Red (84%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (16%)



- Cyan (16%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 74.222, 6.774 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, 74.222, 6.774 by changing the saturation by 10% instead.

 46, 74.222, 6.774  46, 74.222, 6.774


 100, 74.222, 6.774  36, 74.222, 6.774

 66, 74.222, 6.774  26, 74.222, 6.774

 76, 74.222, 6.774  16, 74.222, 6.774

 86, 74.222, 6.774  6, 74.222, 6.774

 96, 74.222, 6.774  0, 74.222, 6.774

 46, 74.222, 6.774  46, 74.222, 6.774

 46, 74.156, 6.806  47, 72.410, 2.407

 49, 69.076,
358.787

■ 52, 63.720,
355.934

■ 55, 56.571,
353.674

■ 59, 48.089,
351.850

■ 64, 38.770,
350.341

■ 69, 29.039,
349.061

■ 75, 19.209,
347.948

■ 80, 9.489, 346.950

Harmonies

Complementary

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



46, 74.222, 6.774



76, 74.970, 151.247

Rectangle

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



46, 74.222, 6.774



46, 74.222, 56.774



46, 74.222, 186.774



46, 74.222, 236.774

Sweetspot

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



46, 74.156, 6.806



81, 33.387, 349.096



35, 108.933, 312.570



40, 22.811, 349.620



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, 74.156, 6.806



55, 84.430, 7.328



45, 91.423, 40.291



42, 5.370, 346.894



36, 62.540, 5.980



5, 23.123, 357.207

Inverse Universe

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



46, 74.156, 6.806



55, 84.430, 7.328



76, 42.030, 201.834



42, 5.370, 346.894



36, 62.540, 5.980



5, 23.123, 357.207

Previews

White Background



This preview shows how the CIELCh color 46, 74.222, 6.774 looks on a white background.

Color Contrast Check

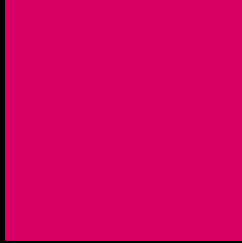
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.222, 6.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

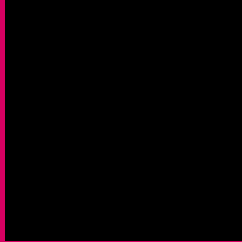
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 74.222, 6.774

Background



This preview shows how black text looks on a background with the CIELCh color 46, 74.222, 6.774.



This preview shows how white text looks on a background with the CIELCh color 46, 74.222, 6.774.

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, 74.222, 6.774

Protanopia

47, 19.044, 285.219

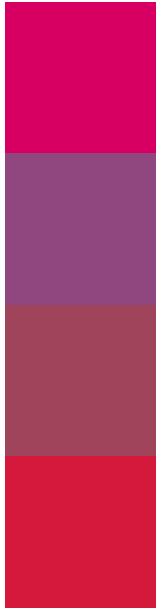
Deuteranopia

47, 14.572, 66.392



Tritanopia
46, 78.608, 34.866

Trichromacy



Original Color
46, 74.222, 6.774

Protanomaly
41, 42.661, 335.644

Deuteranomaly
42, 40.856, 7.075

Tritanomaly
46, 75.473, 24.974

Monochromacy



Original Color
46, 74.222, 6.774

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 37.742, 354.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 74.222, 6.774 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(215, 0, 98)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 98)  
}
```

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(215, 0, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 74.222, 6.774 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(215, 0, 98) }
```

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

```
.border{ border-color:rgb(215, 0, 98) }
```

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

Here you see how a box with a 4 pixel rgb(215, 0, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(215, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 74.222, 6.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 98) }
```

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

```
.background{ background-color: rgb(215, 0,  
98) }
```

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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