

Converting Colors

CIELCh(46, 75.074, 12.074)

Have a look what the booklet for
CIELCh(46, 75.074, 12.074) contains.

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Color

CIELCh(46, 74.867, 11.998)

Conversions

Conversions Part 1

Format	Color
Hex	D80057
RGB	216, 0, 87
RGB Percent	85%, 0%, 34%
CMY	0.1533, 1.0000, 0.6591
CMYK	0.00, 1.00, 0.60, 0.15
HSL	336°, 100%, 42%
HSV	336°, 100%, 85%
XYZ	30.0107, 15.2687, 10.3695
YIQ	74.5020, 100.8090, 72.8490

Conversions

Conversions Part 2

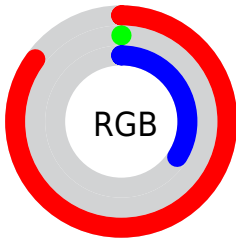
Format	Color
R_{YB}	216, 0, 87
Decimal	14155863
CIE Lab	46.00, 73.23, 15.56
CIE LCh	46, 74.867, 11.998
Yxy	15.2687, 0.5393, 0.2744
Android (android.graphics.Color)	4292345943 (0xFFD80057)
YUV	74.5020, 6.1615, 124.0937
Hunter-Lab	39.0751, 68.7110, 11.6186

Details

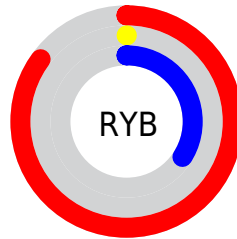
The CIELCh color **46, 74.867, 11.998** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **76, 70.916, 154.352**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.507, 8.174**, and **32, 60.138, 21.882** is the 20% darker color. If you saturate the color by 10%, you get **46, 74.848, 12.009**, and if you desaturate by 10%, it is **47, 72.451, 7.148**.

Distribution



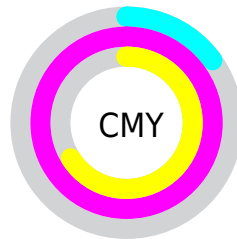
- Red (85%)
- Green (0%)
- Blue (34%)



- Red (85%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (15%)



- Cyan (15%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 74.867, 11.998 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, 74.867, 11.998 by changing the saturation by 10% instead.

46, 74.867, 11.998

46, 74.867, 11.998

100, 74.867,
11.998

36, 74.867, 11.998

66, 74.867, 11.998

26, 74.867, 11.998

76, 74.867, 11.998

16, 74.867, 11.998

86, 74.867, 11.998

6, 74.867, 11.998

96, 74.867, 11.998

0, 74.867, 11.998

46, 74.867, 11.998

46, 74.867, 11.998

46, 74.848, 12.009

47, 72.451, 7.148

49, 68.665, 3.103

■ 52, 63.027,
359.908

■ 55, 55.734,
357.389

■ 59, 47.217,
355.375

■ 64, 37.954,
353.729

■ 69, 28.352,
352.349

■ 75, 18.710,
351.164

■ 81, 9.223, 350.112

Harmonies

Complementary

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



46, 74.867, 11.998



76, 70.916, 154.352

Rectangle

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



46, 74.867, 11.998



46, 74.867, 61.998



46, 74.867, 191.998



46, 74.867, 241.998

Sweetspot

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



46, 74.848, 12.009



81, 32.456, 352.385



37, 108.208, 313.844



40, 22.199, 352.947



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, 74.848, 12.009



54, 84.958, 12.560



46, 91.056, 40.800



42, 5.196, 350.053



36, 62.759, 11.081



5, 22.747, 0.507

Inverse Universe

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



46, 74.848, 12.009



54, 84.958, 12.560



73, 39.890, 211.065



42, 5.196, 350.053



36, 62.759, 11.081



5, 22.747, 0.507

Previews

White Background



This preview shows how the CIELCh color 46, 74.867, 11.998 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, 74.867, 11.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

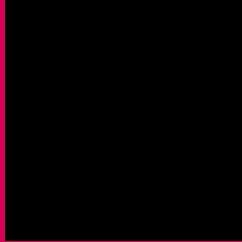
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 74.867, 11.998

Background



This preview shows how black text looks on a background with the CIELCh color 46, 74.867, 11.998.

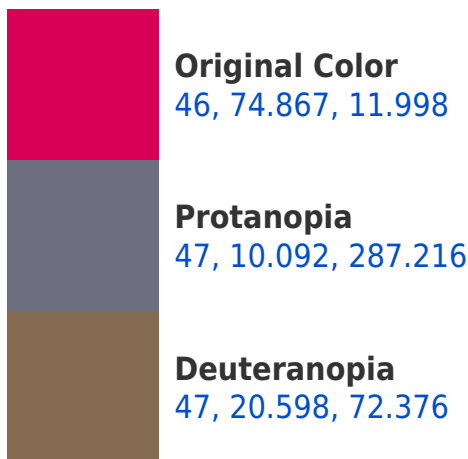


This preview shows how white text looks on a background with the CIELCh color 46, 74.867, 11.998.

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
46, 81.304, 35.884

Trichromacy



Original Color
46, 74.867, 11.998



Protanomaly
41, 38.686, 346.430



Deuteranomaly
42, 42.684, 16.282



Tritanomaly
46, 78.088, 27.709

Monochromacy



Original Color
46, 74.867, 11.998



Achromatopsia
31, 0.005, 296.813



Achromatomaly
32, 37.553, 357.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 74.867, 11.998 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(216, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 87)  
}
```

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(216, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 74.867, 11.998 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(216, 0, 87) }
```

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

```
.border{ border-color:rgb(216, 0, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 0, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(216, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 74.867, 11.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 87) }
```

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

```
.background{ background-color: rgb(216, 0,  
87) }
```

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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