

Converting Colors

CIELCh(48, 76.338, 1.606)

Have a look what the booklet for
CIELCh(48, 76.338, 1.606) contains.

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Color

CIELCh(48, 76.284, 1.734)

Conversions

Conversions Part 1

Format	Color
Hex	DE0271
RGB	222, 2, 113
RGB Percent	87%, 1%, 44%
CMY	0.1286, 0.9931, 0.5562
CMYK	0.00, 0.99, 0.49, 0.13
HSL	330°, 98%, 44%
HSV	330°, 99%, 87%
XYZ	33.1946, 16.7945, 17.1626
YIQ	80.4340, 95.4890, 81.1610

Conversions

Conversions Part 2

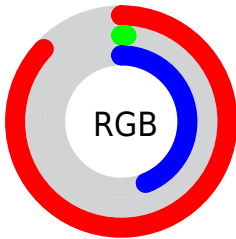
Format	Color
R_{YB}	222, 2, 113
Decimal	14549617
CIE _{Lab}	48.00, 76.25, 2.31
CIE _{LCh}	48, 76.284, 1.734
Yxy	16.7945, 0.4943, 0.2501
Android (android.graphics.Color)	4292739697 (0xFFDE0271)
YUV	80.4340, 16.0550, 124.1534
Hunter-Lab	40.9810, 72.8681, 3.8565

Details

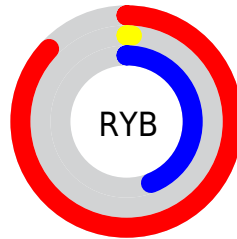
The CIELCh color **48, 76.284, 1.734** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **78, 80.824, 148.747**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.722, 355.330**, and **34, 59.692, 9.839** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.370, 2.053**, and if you desaturate by 10%, it is **49, 74.956, 357.843**.

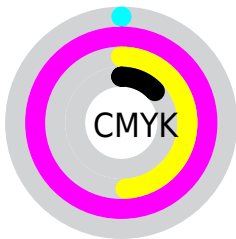
Distribution



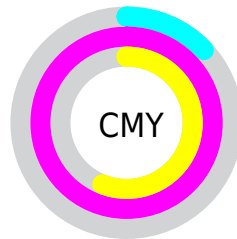
- Red (87%)
- Green (1%)
- Blue (44%)



- Red (87%)
- Yellow (1%)
- Blue (44%)



- Cyan (0%)
- Magenta (99%)
- Yellow (49%)
- Black (13%)



- Cyan (13%)
- Magenta (99%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.284, 1.734 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, 76.284, 1.734 by changing the saturation by 10% instead.

 48, 76.284, 1.734  48, 76.284, 1.734

 100, 76.284, 1.734  38, 76.284, 1.734

 68, 76.284, 1.734  28, 76.284, 1.734

 78, 76.284, 1.734  18, 76.284, 1.734

 88, 76.284, 1.734  8, 76.284, 1.734

 98, 76.284, 1.734  0, 76.284, 1.734

 48, 76.284, 1.734  48, 76.284, 1.734

 48, 76.370, 2.053  49, 74.956,
357.843

 51, 71.702,
354.694

■ 54, 66.219,
352.207

■ 57, 58.794,
350.219

■ 62, 49.932,
348.595

■ 67, 40.160,
347.232

■ 72, 29.925,
346.058

■ 77, 19.558,
345.024

■ 83, 9.280, 344.083

Harmonies

Complementary

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



48, 76.284, 1.734



78, 80.824, 148.747

Rectangle

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



48, 76.284, 1.734



48, 76.284, 51.734



48, 76.284, 181.734



48, 76.284, 231.734

Sweetspot

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



48, 76.280, 1.735



81, 34.372, 346.171



35, 112.666, 311.433



40, 23.463, 346.656



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, 76.280, 1.735



55, 84.691, 2.420



46, 93.130, 39.275



44, 5.767, 344.104



38, 64.236, 1.324



6, 26.486, 354.331

Inverse Universe

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



48, 76.280, 1.735



55, 84.691, 2.420



80, 45.692, 193.850



44, 5.767, 344.104



38, 64.236, 1.324



6, 26.486, 354.331

Previews

White Background



This preview shows how the CIELCh color 48, 76.284, 1.734 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, 76.284, 1.734 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, 76.284, 1.734

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.284, 1.734.



This preview shows how white text looks on a background with the CIELCh color 48, 76.284, 1.734.

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, 76.204, 1.766

Protanopia

49, 28.948, 285.473

Deuteranopia

49, 9.409, 49.860



Tritanopia
48, 78.380, 33.824

Trichromacy



Original Color
48, 76.204, 1.766

Protanomaly
43, 48.967, 326.962

Deuteranomaly
44, 41.752, 357.907

Tritanomaly
48, 75.478, 22.059

Monochromacy



Original Color
48, 76.204, 1.766

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 39.364, 350.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.284, 1.734 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, 2, 113)` looks like.

```
.text, #text, p{  
    color:rgb(222, 2, 113)  
}
```

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, 2, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 2, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.284, 1.734 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, 2, 113) }
```

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

```
.border{ border-color:rgb(222, 2, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 2, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 2, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 2, 113);  
box-shadow:4px 4px 4px 4px rgb(222, 2,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.284, 1.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 2, 113) }
```

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

```
.background{ background-color: rgb(222, 2,  
113) }
```

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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