

Converting Colors

CIELCh(48, 76.304, 1.856)

Have a look what the booklet for
CIELCh(48, 76.304, 1.856) contains.

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Color

CIELCh(48, 76.204, 1.766)

Conversions

Conversions Part 1

Format	Color
Hex	DE0271
RGB	222, 2, 113
RGB Percent	87%, 1%, 44%
CMY	0.1290, 0.9904, 0.5565
CMYK	0.00, 0.99, 0.49, 0.13
HSL	330°, 98%, 44%
HSV	330°, 99%, 87%
XYZ	33.1716, 16.7945, 17.1434
YIQ	80.4340, 95.4890, 81.1610

Conversions

Conversions Part 2

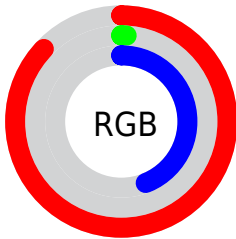
Format	Color
R_{YB}	222, 2, 113
Decimal	14549617
CIE _{Lab}	48.00, 76.17, 2.35
CIE _{LCh}	48, 76.204, 1.766
Yxy	16.7945, 0.4943, 0.2503
Android (android.graphics.Color)	4292739697 (0xFFDE0271)
YUV	80.4340, 16.0550, 124.1534
Hunter-Lab	40.9810, 72.7680, 3.8842

Details

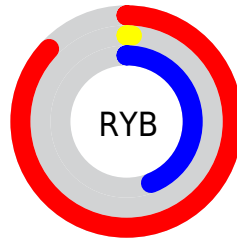
The CIELCh color **48, 76.204, 1.766** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **78, 80.507, 148.902**, and the grayscale version is **34, 0.005, 296.813**.

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, 76.327, 2.216**, and if you desaturate by 10%, it is **49, 74.828, 357.875**.

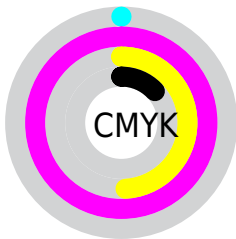
Distribution



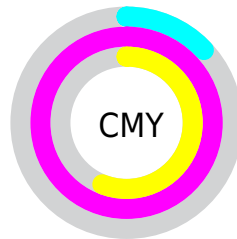
- Red (87%)
- Green (1%)
- Blue (44%)



- 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, 76.204, 1.766 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, 76.204, 1.766 by changing the saturation by 10% instead.

 48, 76.204, 1.766  48, 76.204, 1.766


 100, 76.204, 1.766  38, 76.204, 1.766


 68, 76.204, 1.766  28, 76.204, 1.766


 78, 76.204, 1.766  18, 76.204, 1.766

 88, 76.204, 1.766  8, 76.204, 1.766

 98, 76.204, 1.766  0, 76.204, 1.766

 48, 76.204, 1.766  48, 76.204, 1.766

 48, 76.327, 2.216  49, 74.828,
357.875

 51, 71.495,
354.734

■ 54, 65.941,
352.255

■ 58, 58.465,
350.272

■ 62, 49.572,
348.652

■ 67, 39.788,
347.292

■ 72, 29.556,
346.120

■ 78, 19.201,
345.087

■ 83, 8.943, 344.145

Harmonies

Complementary

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



48, 76.204, 1.766



78, 80.507, 148.902

Rectangle

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



48, 76.204, 1.766



48, 76.204, 51.766



48, 76.204, 181.766



48, 76.204, 231.766

Sweetspot

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



48, 76.200, 1.767



81, 34.337, 346.268



35, 112.492, 311.451



40, 23.440, 346.754



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, 76.200, 1.767



55, 84.670, 2.586



46, 92.937, 39.204



44, 5.760, 344.197



38, 64.216, 1.485



6, 26.468, 354.459

Inverse Universe

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



48, 76.200, 1.767



55, 84.670, 2.586



80, 45.659, 193.859



44, 5.760, 344.197



38, 64.216, 1.485



6, 26.468, 354.459

Previews

White Background



This preview shows how the CIELCh color 48, 76.204, 1.766 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, 76.204, 1.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

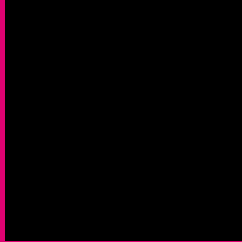
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.204, 1.766

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.204, 1.766.



This preview shows how white text looks on a background with the CIELCh color 48, 76.204, 1.766.

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, 28.985, 284.865

Deuteranopia

49, 9.515, 45.650



Tritanopia
48, 78.380, 33.824

Trichromacy



Original Color
48, 76.204, 1.766

Protanomaly
42, 48.837, 326.547

Deuteranomaly
44, 41.752, 357.907

Tritanomaly
48, 75.338, 22.167

Monochromacy



Original Color
48, 76.204, 1.766

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 39.603, 349.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.204, 1.766 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, 76.204, 1.766 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, 76.204, 1.766 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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