

Converting Colors

CIELCh(45, 84.936, 0.825)

Have a look what the booklet for
CIELCh(45, 84.936, 0.825) contains.

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Color

CIELCh(48, 76.376, 4.104)

Conversions

Conversions Part 1

Format	Color
Hex	DF006C
RGB	223, 0, 108
RGB Percent	87%, 0%, 42%
CMY	0.1251, 0.9985, 0.5762
CMYK	0.00, 1.00, 0.52, 0.13
HSL	331°, 100%, 44%
HSV	331°, 100%, 87%
XYZ	33.1751, 16.7945, 15.7012
YIQ	78.9890, 98.2400, 80.8640

Conversions

Conversions Part 2

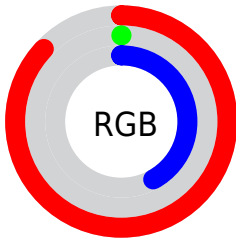
Format	Color
R_{YB}	223, 0, 108
Decimal	14614636
CIE _{Lab}	48.00, 76.18, 5.47
CIE _{LCh}	48, 76.376, 4.104
Yxy	16.7945, 0.5052, 0.2557
Android (android.graphics.Color)	4292804716 (0xFFDF006C)
YUV	78.9890, 14.3024, 126.2976
Hunter-Lab	40.9810, 72.7832, 5.9707

Details

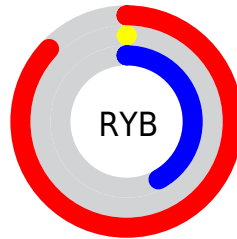
The CIELCh color **48, 76.376, 4.104** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **79, 79.545, 149.714**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.303, 357.839**, and **34, 60.307, 13.095** is the 20% darker color. If you saturate the color by 10%, you get **48, 76.395, 4.176**, and if you desaturate by 10%, it is **49, 74.909, 359.953**.

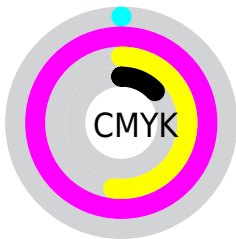
Distribution



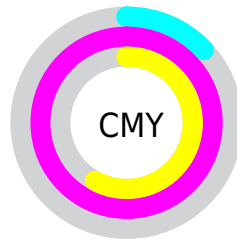
- Red (87%)
- Green (0%)
- Blue (42%)



- Red (87%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (13%)



- Cyan (13%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 76.376, 4.104 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, 76.376, 4.104 by changing the saturation by 10% instead.

 48, 76.376, 4.104  48, 76.376, 4.104

 100, 76.376, 4.104  38, 76.376, 4.104

 68, 76.376, 4.104  28, 76.376, 4.104


 78, 76.376, 4.104  18, 76.376, 4.104

 88, 76.376, 4.104  8, 76.376, 4.104

 98, 76.376, 4.104  0, 76.376, 4.104

 48, 76.376, 4.104  48, 76.376, 4.104

 48, 76.395, 4.176  49, 74.909,
359.953

 51, 71.666,
356.564

■ 54, 66.244,
353.892

■ 57, 58.898,
351.767

■ 62, 50.116,
350.043

■ 67, 40.424,
348.608

■ 72, 30.271,
347.381

■ 77, 19.989,
346.307

■ 83, 9.801, 345.338

Harmonies

Complementary

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



48, 76.376, 4.104



79, 79.545, 149.714

Rectangle

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



48, 76.376, 4.104



48, 76.376, 54.104



48, 76.376, 184.104



48, 76.376, 234.104

Sweetspot

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



48, 76.372, 4.105



81, 33.930, 347.426



36, 112.875, 311.768



40, 23.170, 347.928



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, 76.372, 4.105



55, 84.488, 4.552



47, 94.437, 39.959



44, 5.683, 345.302



38, 64.032, 3.394



6, 26.273, 355.946

Inverse Universe

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



48, 76.372, 4.105



55, 84.488, 4.552



81, 45.292, 196.387



44, 5.683, 345.302



38, 64.032, 3.394



6, 26.273, 355.946

Previews

White Background



This preview shows how the CIELCh color 48, 76.376, 4.104 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, 76.376, 4.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

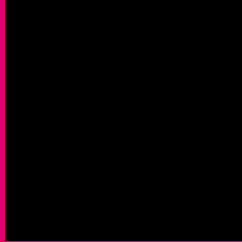
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 76.376, 4.104

Background



This preview shows how black text looks on a background with the CIELCh color 48, 76.376, 4.104.



This preview shows how white text looks on a background with the CIELCh color 48, 76.376, 4.104.

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, 76.376, 4.104

Protanopia

49, 24.816, 285.548

Deuteranopia

49, 11.944, 56.040



Tritanopia
48, 79.633, 34.195

Trichromacy



Original Color
48, 76.376, 4.104



Protanomaly
43, 46.633, 330.393



Deuteranomaly
44, 42.326, 2.111



Tritanomaly
48, 76.641, 23.243

Monochromacy



Original Color
48, 76.376, 4.104



Achromatopsia
34, 0.005, 296.813



Achromatomaly
34, 39.670, 351.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 76.376, 4.104 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(223, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 108)  
}
```

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(223, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 76.376, 4.104 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(223, 0, 108) }
```

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

```
.border{ border-color:rgb(223, 0, 108) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 76.376, 4.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 108) }
```

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

```
.background{ background-color: rgb(223, 0,  
108) }
```

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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