

Converting Colors

CIELCh(48, 96.920, 328.633)

Have a look what the booklet for
CIELCh(48, 96.920, 328.633)
contains.

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Color

CIELCh(48, 96.570, 328.629)

Conversions

Conversions Part 1

Format	Color
Hex	CB00C9
RGB	203, 0, 201
RGB Percent	80%, 0%, 79%
CMY	0.2057, 1.0000, 0.2134
CMYK	0.00, 1.00, 0.01, 0.21
HSL	301°, 100%, 40%
HSV	301°, 100%, 79%
XYZ	34.9803, 16.7945, 56.3955
YIQ	83.6110, 56.4670, 105.5470

Conversions

Conversions Part 2

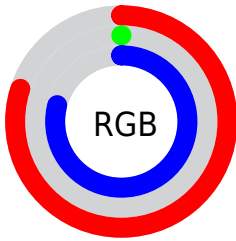
Format	Color
RYB	203, 0, 201
Decimal	13304009
CIELab	48.00, 82.45, -50.27
CIElCh	48, 96.570, 328.629
Yxy	16.7945, 0.3234, 0.1553
Android (android.graphics.Color)	4291494089 (0xFFCB00C9)
YUV	83.6110, 57.8728, 104.7042
Hunter-Lab	40.9810, 80.6458, -52.9044

Details

The CIELCh color **48, 96.570, 328.629** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **71, 100.526, 136.087**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 94.425, 327.592**, and **34, 76.312, 327.701** is the 20% darker color. If you saturate the color by 10%, you get **48, 96.418, 328.624**, and if you desaturate by 10%, it is **49, 94.347, 328.516**.

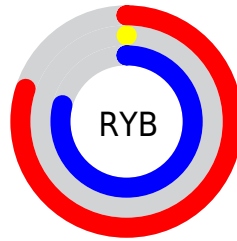
Distribution



Red (80%)

Green (0%)

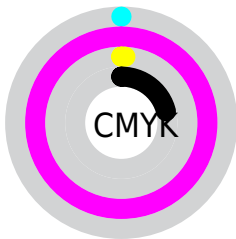
Blue (79%)



Red (80%)

Yellow (0%)

Blue (79%)

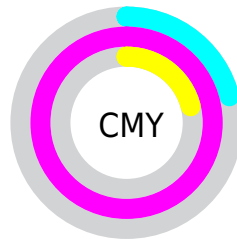


Cyan (0%)

Magenta (100%)

Yellow (1%)

Black (21%)



Cyan (21%)


Magenta (100%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 96.570, 328.629 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, 96.570, 328.629 by changing the saturation by 10% instead.


 48, 96.570,
328.629


 48, 96.570,
328.629


 100, 96.570,
328.629


 38, 96.570,
328.629

 68, 96.570,
328.629


 28, 96.570,
328.629

 78, 96.570,
328.629

 18, 96.570,
328.629

 88, 96.570,
328.629

 8, 96.570, 328.629

 98, 96.570,
328.629

 0, 96.570, 328.629

 48, 96.570,

 48, 96.570,

328.629

328.629

■ 48, 96.418,
328.624

■ 49, 94.347,
328.516

■ 50, 90.194,
328.339

■ 52, 83.584,
328.077

■ 55, 74.744,
327.732

■ 58, 64.111,
327.316

■ 62, 52.195,
326.842

■ 67, 39.478,
326.327

■ 71, 26.356,
325.786

■ 76, 13.130,
325.228

Harmonies

Complementary

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



48, 96.570, 328.629



71, 100.526, 136.087

Rectangle

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



48, 96.570, 328.629



48, 96.570, 18.629



48, 96.570, 148.629



48, 96.570, 198.629

Sweetspot

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



48, 96.418, 328.624



82, 47.582, 326.349



25, 112.501, 306.287



41, 32.374, 326.572



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, 96.418, 328.624



60, 114.674, 328.630



44, 71.215, 2.296



40, 7.489, 325.194



39, 83.082, 328.619



5, 28.818, 327.807

Inverse Universe

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



48, 96.418, 328.624



60, 114.674, 328.630



72, 75.105, 148.988



40, 7.489, 325.194



39, 83.082, 328.619



5, 28.818, 327.807

Previews

White Background



This preview shows how the CIELCh color 48, 96.570, 328.629 looks on a white background.

Color Contrast Check

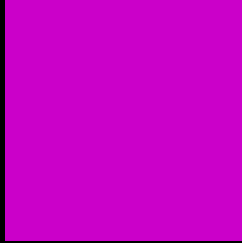
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.570, 328.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

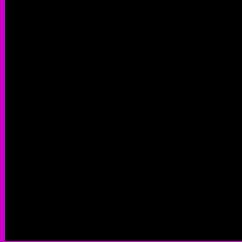
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 96.570, 328.629

Background



This preview shows how black text looks on a background with the CIELCh color 48, 96.570, 328.629.

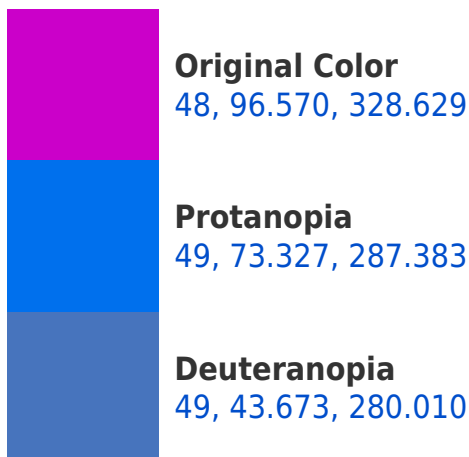


This preview shows how white text looks on a background with the CIELCh color 48, 96.570, 328.629.

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
48, 49.277, 23.816

Trichromacy



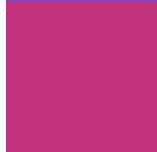
Original Color
48, 96.570, 328.629



Protanomaly
40, 90.855, 301.809



Deuteranomaly
42, 71.440, 308.718



Tritanomaly
46, 63.028, 351.921

Monochromacy



Original Color
48, 96.570, 328.629



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 49.992, 327.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 96.570, 328.629 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(203, 0, 201)` looks like.

```
.text, #text, p{  
    color:rgb(203, 0, 201)  
}
```

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(203, 0, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 0, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 96.570, 328.629 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(203, 0, 201) }
```

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

```
.border{ border-color:rgb(203, 0, 201) }
```

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

Here you see how a box with a 4 pixel rgb(203, 0, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(203, 0,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 96.570, 328.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 0, 201) }
```

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

```
.background{ background-color: rgb(203, 0,  
201) }
```

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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