

Converting Colors

CIELCh(48, 97.630, 328.258)

Have a look what the booklet for
CIELCh(48, 97.630, 328.258)
contains.

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Color

CIELCh(48, 96.945, 328.430)

Conversions

Conversions Part 1

Format	Color
Hex	CA00C9
RGB	202, 0, 201
RGB Percent	79%, 0%, 79%
CMY	0.2064, 1.0000, 0.2102
CMYK	0.00, 1.00, 0.00, 0.21
HSL	300°, 100%, 40%
HSV	300°, 100%, 79%
XYZ	35.0226, 16.7945, 56.9052
YIQ	83.3120, 55.8710, 105.3350

Conversions

Conversions Part 2

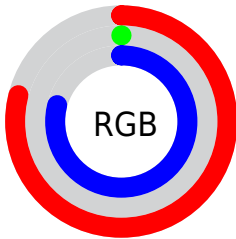
Format	Color
R_{YB}	202, 0, 201
Decimal	13238473
CIE _{Lab}	48.00, 82.60, -50.75
CIE _{LCh}	48, 96.945, 328.430
Yxy	16.7945, 0.3221, 0.1545
Android (android.graphics.Color)	4291428553 (0xFFCA00C9)
YUV	83.3120, 58.0202, 104.0894
Hunter-Lab	40.9810, 80.8300, -53.6418

Details

The CIELCh color **48, 96.945, 328.430** 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, 100.549, 136.051**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 94.851, 327.605**, and **34, 76.337, 327.437** is the 20% darker color. If you saturate the color by 10%, you get **48, 96.733, 328.423**, and if you desaturate by 10%, it is **49, 94.627, 328.332**.

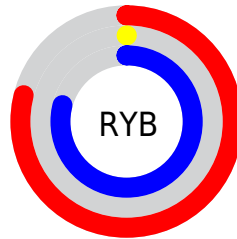
Distribution



Red (79%)

Green (0%)

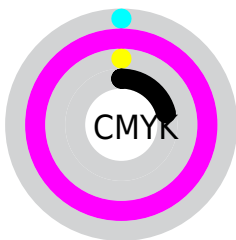
Blue (79%)



Red (79%)

Yellow (0%)

Blue (79%)

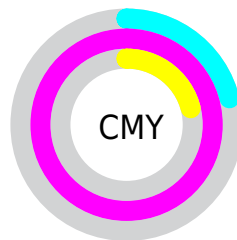


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (21%)



Cyan (21%)


Magenta (100%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 96.945, 328.430 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, 96.945, 328.430 by changing the saturation by 10% instead.


 48, 96.945,
328.430


 48, 96.945,
328.430


 100, 96.945,
328.430


 38, 96.945,
328.430

 68, 96.945,
328.430


 28, 96.945,
328.430

 78, 96.945,
328.430

 18, 96.945,
328.430

 88, 96.945,
328.430

 8, 96.945, 328.430

 98, 96.945,
328.430

 0, 96.945, 328.430

 48, 96.945,

 48, 96.945,

328.430

328.430

■ 48, 96.733,
328.423

■ 49, 94.627,
328.332

■ 50, 90.444,
328.169

■ 52, 83.806,
327.917

■ 55, 74.938,
327.581

■ 58, 64.277,
327.170

■ 62, 52.331,
326.701

■ 67, 39.581,
326.190

■ 71, 26.426,
325.651

■ 76, 13.165,
325.095

Harmonies

Complementary

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



48, 96.945, 328.430



71, 100.549, 136.051

Rectangle

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



48, 96.945, 328.430



48, 96.945, 18.430



48, 96.945, 148.430



48, 96.945, 198.430

Sweetspot

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



48, 96.733, 328.423



82, 47.741, 326.211



25, 112.427, 306.287



41, 32.481, 326.433



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, 96.733, 328.423



60, 115.130, 328.426



44, 71.168, 2.293



40, 7.514, 325.061



39, 83.403, 328.420



5, 28.933, 327.648

Inverse Universe

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



48, 96.733, 328.423



60, 115.130, 328.426



72, 75.053, 148.990



40, 7.514, 325.061



39, 83.403, 328.420



5, 28.933, 327.648

Previews

White Background



This preview shows how the CIELCh color 48, 96.945, 328.430 looks on a white background.

Color Contrast Check

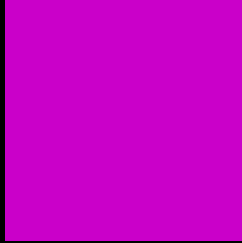
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.945, 328.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

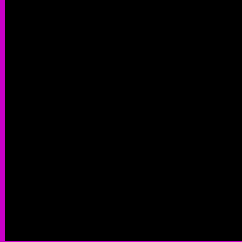
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 96.945, 328.430

Background



This preview shows how black text looks on a background with the CIELCh color 48, 96.945, 328.430.



This preview shows how white text looks on a background with the CIELCh color 48, 96.945, 328.430.

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, 96.586, 328.431

Protanopia

49, 73.327, 287.383

Deuteranopia

49, 43.717, 279.751



Tritanopia
48, 49.277, 23.816

Trichromacy



Original Color
48, 96.586, 328.431



Protanomaly
40, 90.855, 301.809



Deuteranomaly
42, 71.978, 308.422



Tritanomaly
46, 63.000, 351.140

Monochromacy



Original Color
48, 96.586, 328.431



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, 96.945, 328.430 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(202, 0, 201)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 0, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 96.945, 328.430 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(202, 0, 201) }
```

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

```
.border{ border-color:rgb(202, 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(202, 0, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 96.945, 328.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 201) }
```

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

```
.background{ background-color: rgb(202, 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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