

Converting Colors

CIELCh(48, 110.448, 320.971)

Have a look what the booklet for
CIELCh(48, 110.448, 320.971)
contains.

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Color

CIELCh(48, 110.210, 321.026)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BE00EA |
| RGB | 190, 0, 234 |
| RGB Percent | 75%, 0%, 92% |
| CMY | 0.2563, 1.0000, 0.0837 |
| CMYK | 0.19, 1.00, 0.00, 0.08 |
| HSL | 289°, 100%, 46% |
| HSV | 289°, 100%, 92% |
| XYZ | 35.9342, 16.7945, 78.9312 |
| YIQ | 83.4860, 38.1260, 113.0540 |

Conversions

Conversions Part 2

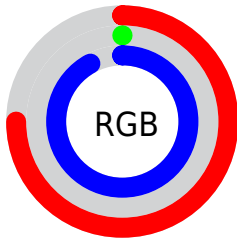
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 190, 0, 234 |
| Decimal | 12452074 |
| CIELab | 48.00, 85.68, -69.32 |
| CIElCh | 48, 110.210, 321.026 |
| Yxy | 16.7945, 0.2729, 0.1276 |
| Android (android.graphics.Color) | 4290642154 (0xFFBE00EA) |
| YUV | 83.4860, 74.2034, 93.4128 |
| Hunter-Lab | 40.9810, 84.8006, -85.5083 |

Details

The CIELCh color **48, 110.210, 321.026** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **81, 110.460, 134.918**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 94.610, 326.829**, and **34, 90.482, 318.502** is the 20% darker color. If you saturate the color by 10%, you get **48, 110.093, 321.015**, and if you desaturate by 10%, it is **50, 107.236, 321.462**.

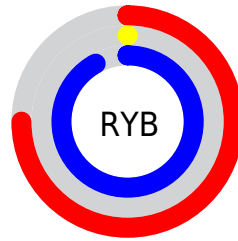
Distribution



Red (75%)

Green (0%)

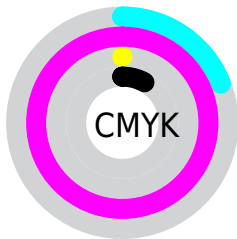
Blue (92%)



Red (75%)

Yellow (0%)

Blue (92%)

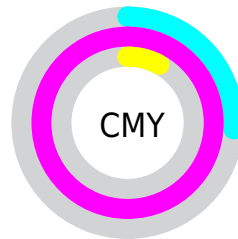


Cyan (19%)

Magenta (100%)

Yellow (0%)

Black (8%)



Cyan (26%)


Magenta (100%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 110.210, 321.026 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, 110.210, 321.026 by changing the saturation by 10% instead.


 48, 110.210,
321.026


 48, 110.210,
321.026


 100, 110.210,
321.026


 38, 110.210,
321.026


 68, 110.210,
321.026


 28, 110.210,
321.026


 78, 110.210,
321.026


 18, 110.210,
321.026


 88, 110.210,
321.026

 8, 110.210,
321.026


 98, 110.210,
321.026

 0, 110.210,
321.026


 48, 110.210,


 48, 110.210,


321.026


 48, 110.093,
321.015


321.026


 50, 107.236,
321.462


 52, 101.720,
321.701


 55, 93.351,
321.726

 59, 82.622,
321.575

 64, 70.184,
321.295

 69, 56.663,
320.926

 75, 42.569,
320.502

 80, 28.274,
320.052

■ 86, 14.034,
319.589

Harmonies

Complementary

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



48, 110.210, 321.026



81, 110.460, 134.918

Rectangle

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



48, 110.210, 321.026



48, 110.210, 11.026



48, 110.210, 141.026



48, 110.210, 191.026

Sweetspot

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



48, 110.093, 321.015



81, 45.696, 320.509



34, 110.945, 302.820



40, 31.177, 320.692



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, 110.093, 321.015



52, 117.635, 320.983



52, 86.157, 345.217



46, 7.995, 319.564



37, 90.911, 321.125



7, 38.626, 322.042

Inverse Universe

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



49, 88.364, 31.183



53, 94.651, 31.457



81, 99.985, 140.831



46, 5.049, 4.960



38, 72.357, 30.228



7, 27.929, 14.941

Previews

White Background



This preview shows how the CIE LCh color 48, 110.210, 321.026 looks on a white background.

Color Contrast Check

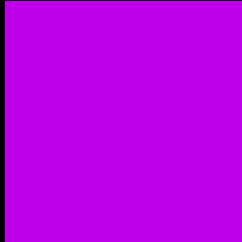
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 110.210, 321.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

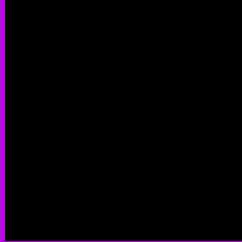
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 110.210, 321.026

Background



This preview shows how black text looks on a background with the CIELCh color 48, 110.210, 321.026.



This preview shows how white text looks on a background with the CIELCh color 48, 110.210, 321.026.

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, 110.210, 321.026

Protanopia

49, 72.247, 287.003

Deuteranopia

49, 53.874, 276.693



Tritanopia
49, 34.577, 18.663

Trichromacy



Original Color
48, 110.210, 321.026



Protanomaly
41, 96.783, 301.717



Deuteranomaly
40, 84.817, 300.180



Tritanomaly
45, 61.847, 337.873

Monochromacy



Original Color
48, 110.210, 321.026



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 55.331, 321.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 110.210, 321.026 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(190, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 234)  
}
```

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(190, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 110.210, 321.026 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(190, 0, 234) }
```

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

```
.border{ border-color:rgb(190, 0, 234) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 110.210, 321.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 234) }
```

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

```
.background{ background-color: rgb(190, 0,  
234) }
```

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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