

Converting Colors

CIELCh(48, 106.523, 321.878)

Have a look what the booklet for
CIELCh(48, 106.523, 321.878)
contains.

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Color

CIELCh(48, 106.410, 321.862)

Conversions

Conversions Part 1

Format	Color
Hex	BE0BE3
RGB	190, 11, 227
RGB Percent	75%, 4%, 89%
CMY	0.2536, 0.9563, 0.1086
CMYK	0.16, 0.95, 0.00, 0.11
HSL	290°, 91%, 47%
HSV	290°, 95%, 89%
XYZ	35.3451, 16.7945, 74.2755
YIQ	89.1450, 37.3480, 105.1240

Conversions

Conversions Part 2

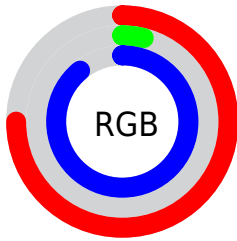
Format	Color
RYB	190, 11, 227
Decimal	12454883
CIELab	48.00, 83.69, -65.71
CIELCh	48, 106.410, 321.862
Yxy	16.7945, 0.2796, 0.1329
Android (android.graphics.Color)	4290644963 (0xFFBE0BE3)
YUV	89.1450, 67.9625, 88.4498
Hunter-Lab	40.9810, 82.2348, -78.7726

Details

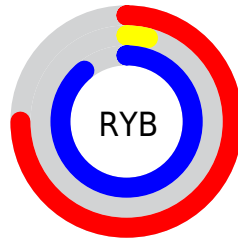
The CIELCh color **48, 106.410, 321.862** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **79, 106.965, 134.942**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 93.744, 326.795**, and **33, 87.287, 319.734** is the 20% darker color. If you saturate the color by 10%, you get **47, 107.566, 321.649**, and if you desaturate by 10%, it is **50, 102.550, 322.184**.

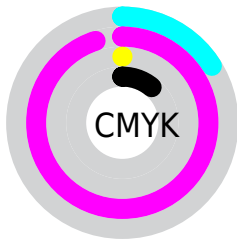
Distribution



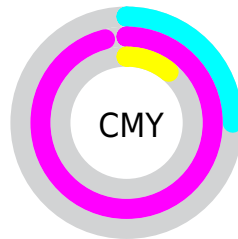
- Red (75%)
- Green (4%)
- Blue (89%)



- Red (75%)
- Yellow (4%)
- Blue (89%)



- Cyan (16%)
- Magenta (95%)
- Yellow (0%)
- Black (11%)





- Cyan (25%)
- Magenta (96%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 106.410, 321.862 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, 106.410, 321.862 by changing the saturation by 10% instead.


 48, 106.410,
321.862


 48, 106.410,
321.862


 100, 106.410,
321.862


 38, 106.410,
321.862


 68, 106.410,
321.862


 28, 106.410,
321.862


 78, 106.410,
321.862


 18, 106.410,
321.862

 88, 106.410,
321.862

 8, 106.410,
321.862

 98, 106.410,
321.862

 0, 106.410,
321.862

 48, 106.410,

 48, 106.410,

321.862

321.862

■ 47, 107.566,
321.649

■ 50, 102.550,
322.184

■ 52, 95.821,
322.292

■ 56, 86.503,
322.212

■ 60, 75.162,
321.985

■ 65, 62.432,
321.652

■ 70, 48.874,
321.249

■ 76, 34.924,
320.806

■ 81, 20.896,
320.344

Harmonies

Complementary

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



48, 106.410, 321.862



79, 106.965, 134.942

Rectangle

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



48, 106.410, 321.862



48, 106.410, 11.862



48, 106.410, 141.862



48, 106.410, 191.862

Sweetspot

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



48, 106.408, 321.862



81, 44.347, 320.991



34, 105.640, 302.159



41, 30.430, 321.180



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, 106.408, 321.862



53, 117.349, 321.610



51, 83.434, 345.411



45, 7.890, 320.079



37, 89.746, 321.747



7, 37.165, 322.544

Inverse Universe

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



48, 84.507, 29.848



53, 95.766, 32.644



79, 94.029, 142.325



45, 4.931, 6.282



37, 72.382, 31.397



7, 26.698, 14.632

Previews

White Background



This preview shows how the CIELCh color 48, 106.410, 321.862 looks on a white background.

Color Contrast Check

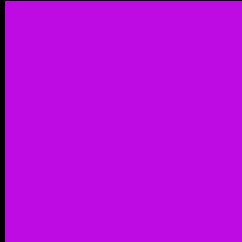
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.410, 321.862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

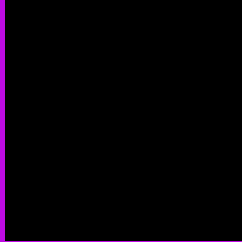
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 106.410, 321.862

Background



This preview shows how black text looks on a background with the CIELCh color 48, 106.410, 321.862.



This preview shows how white text looks on a background with the CIELCh color 48, 106.410, 321.862.

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, 106.315, 321.853

Protanopia

49, 72.316, 287.191

Deuteranopia

48, 53.895, 276.935



Tritanopia
48, 36.832, 18.595

Trichromacy



Original Color
48, 106.315, 321.853



Protanomaly
41, 92.841, 300.852



Deuteranomaly
41, 80.682, 299.073

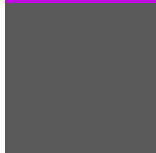


Tritanomaly
46, 60.105, 339.578

Monochromacy



Original Color
48, 106.315, 321.853



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 51.407, 322.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 106.410, 321.862 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, 11, 227)` looks like.

```
.text, #text, p{  
    color:rgb(190, 11, 227)  
}
```

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, 11, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 11, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 106.410, 321.862 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, 11, 227) }
```

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

```
.border{ border-color:rgb(190, 11, 227) }
```

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

Here you see how a box with a 4 pixel rgb(190, 11, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 11, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 11, 227);  
box-shadow:4px 4px 4px 4px rgb(190, 11,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 106.410, 321.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 11, 227) }
```

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

```
.background{ background-color: rgb(190, 11,  
227) }
```

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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