

Converting Colors

CIELCh(47, 104.100, 323.374)

Have a look what the booklet for
CIELCh(47, 104.100, 323.374)
contains.

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Color

CIELCh(47, 103.625, 323.411)

Conversions

Conversions Part 1

Format	Color
Hex	BF00DA
RGB	191, 0, 218
RGB Percent	75%, 0%, 85%
CMY	0.2528, 1.0000, 0.1468
CMYK	0.12, 1.00, 0.00, 0.15
HSL	293°, 100%, 43%
HSV	293°, 100%, 85%
XYZ	33.9481, 16.0195, 67.3273
YIQ	81.9610, 43.8580, 108.2900

Conversions

Conversions Part 2

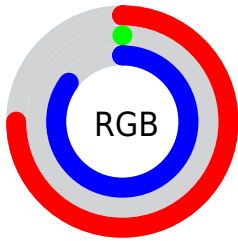
Format	Color
RYB	191, 0, 218
Decimal	12517594
CIELab	47.00, 83.20, -61.77
CIELCh	47, 103.625, 323.411
Yxy	16.0195, 0.2894, 0.1366
Android (android.graphics.Color)	4290707674 (0xFFBF00DA)
YUV	81.9610, 67.0672, 95.6272
Hunter-Lab	40.0243, 81.3590, -71.7182

Details

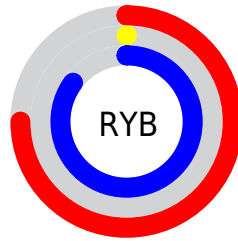
The CIELCh color **47, 103.625, 323.411** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **76, 105.431, 135.455**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 95.095, 327.038**, and **33, 83.681, 321.293** is the 20% darker color. If you saturate the color by 10%, you get **47, 103.469, 323.399**, and if you desaturate by 10%, it is **48, 100.921, 323.685**.

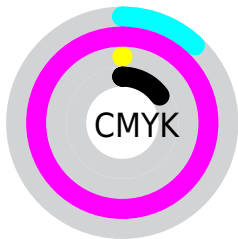
Distribution



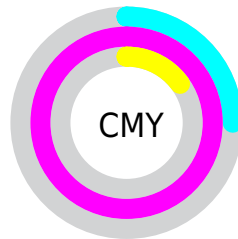
- Red (75%)
- Green (0%)
- Blue (85%)



- Red (75%)
- Yellow (0%)
- Blue (85%)



- Cyan (12%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (25%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 103.625, 323.411 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 47, 103.625, 323.411 by changing the saturation by 10% instead.


 47, 103.625,
323.411


 47, 103.625,
323.411


 100, 103.625,
323.411


 37, 103.625,
323.411


 67, 103.625,
323.411


 27, 103.625,
323.411


 77, 103.625,
323.411

 17, 103.625,
323.411


 87, 103.625,
323.411

 7, 103.625,
323.411

 97, 103.625,
323.411

 0, 103.625,
323.411

 47, 103.625,

 47, 103.625,

323.411

323.411

■ 47, 103.469,
323.399

■ 48, 100.921,
323.685

■ 50, 95.981,
323.812

■ 53, 88.379,
323.767

■ 56, 78.498,
323.574

■ 61, 66.904,
323.268

■ 65, 54.170,
322.880

■ 70, 40.791,
322.439

■ 76, 27.143,
321.969

■ 81, 13.490,
321.483

Harmonies

Complementary

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



47, 103.625, 323.411



76, 105.431, 135.455

Rectangle

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



47, 103.625, 323.411



47, 103.625, 13.411



47, 103.625, 143.411



47, 103.625, 193.411

Sweetspot

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



47, 103.469, 323.399



81, 46.399, 322.451



29, 111.288, 304.484



41, 31.626, 322.643



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 103.469, 323.399



55, 116.664, 323.357



48, 78.611, 350.414



43, 7.705, 321.455



37, 87.342, 323.470



6, 34.014, 323.854

Inverse Universe

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



46, 87.171, 35.058



53, 98.759, 35.488



76, 89.902, 143.133



43, 4.692, 9.944



36, 72.974, 34.290



5, 23.722, 14.903

Previews

White Background



This preview shows how the CIE LCh color 47, 103.625, 323.411 looks on a white background.

Color Contrast Check

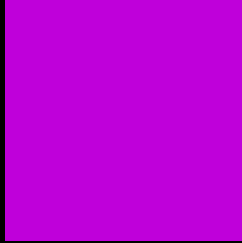
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 103.625, 323.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

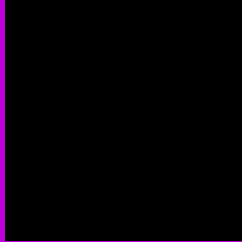
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 103.625, 323.411

Background



This preview shows how black text looks on a background with the CIELCh color 47, 103.625, 323.411.



This preview shows how white text looks on a background with the CIELCh color 47, 103.625, 323.411.

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

47, 103.625, 323.411

Protanopia

48, 71.914, 287.379

Deuteranopia

48, 54.428, 277.918



Tritanopia
47, 39.325, 20.343

Trichromacy



Original Color
47, 103.625, 323.411



Protanomaly
40, 93.250, 301.779



Deuteranomaly
39, 82.179, 300.653



Tritanomaly
44, 61.189, 342.486

Monochromacy



Original Color
47, 103.625, 323.411



Achromatopsia
35, 0.005, 296.813



Achromatomaly
34, 52.443, 323.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 103.625, 323.411 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(191, 0, 218)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 218)  
}
```

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(191, 0, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 103.625, 323.411 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(191, 0, 218) }
```

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

```
.border{ border-color:rgb(191, 0, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 103.625, 323.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 218) }
```

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

```
.background{ background-color: rgb(191, 0,  
218) }
```

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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