

Converting Colors

CIELCh(49, 97.993, 327.716)

Have a look what the booklet for
CIELCh(49, 97.993, 327.716)
contains.

CIELCh(49, 98.001, 327.623)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 98.001, 327.623)

Conversions

Conversions Part 1

Format	Color
Hex	CC0ACF
RGB	204, 10, 207
RGB Percent	80%, 4%, 81%
CMY	0.1992, 0.9615, 0.1875
CMYK	0.01, 0.95, 0.00, 0.19
HSL	299°, 91%, 43%
HSV	299°, 95%, 81%
XYZ	36.3519, 17.5941, 60.6377
YIQ	90.4640, 52.3870, 102.3950

Conversions

Conversions Part 2

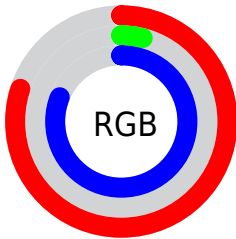
Format	Color
R_{YB}	204, 10, 207
Decimal	13372111
CIE _{Lab}	49.00, 82.77, -52.48
CIE _{LCh}	49, 98.001, 327.623
Yxy	17.5941, 0.3173, 0.1535
Android (android.graphics.Color)	4291562191 (0xFFCC0ACF)
YUV	90.4640, 57.4522, 99.5711
Hunter-Lab	41.9453, 81.2930, -56.3501

Details

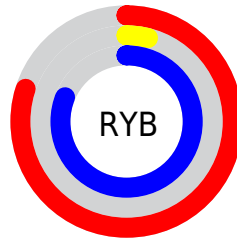
The CIELCh color **49, 98.001, 327.623** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **73, 101.280, 136.122**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.562, 327.565**, and **35, 78.731, 326.452** is the 20% darker color. If you saturate the color by 10%, you get **49, 98.888, 327.630**, and if you desaturate by 10%, it is **50, 94.981, 327.563**.

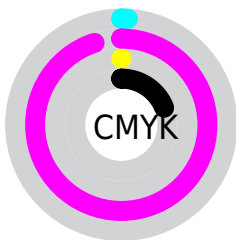
Distribution



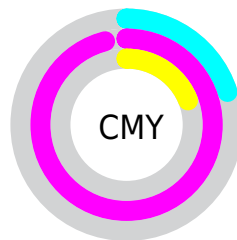
- Red (80%)
- Green (4%)
- Blue (81%)



- Red (80%)
- Yellow (4%)
- Blue (81%)



- Cyan (1%)
- Magenta (95%)
- Yellow (0%)
- Black (19%)



- Cyan (20%)
- Magenta (96%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 98.001, 327.623 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 49, 98.001, 327.623 by changing the saturation by 10% instead.


 49, 98.001,
327.623

 49, 98.001,
327.623

 100, 98.001,
327.623

 39, 98.001,
327.623

 69, 98.001,
327.623

 29, 98.001,
327.623

 79, 98.001,
327.623

 19, 98.001,
327.623

 89, 98.001,
327.623

 9, 98.001, 327.623

 99, 98.001,
327.623

 0, 98.001, 327.623


 49, 98.001,


 49, 98.001,


327.623


327.623


 49, 98.888,
327.630

 50, 94.981,
327.563


 52, 89.459,
327.403


 54, 81.502,
327.144

 57, 71.473,
326.795

 61, 59.876,
326.373

 66, 47.230,
325.896

 70, 33.987,
325.382

 75, 20.502,
324.846

Harmonies

Complementary

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



49, 98.001, 327.623



73, 101.280, 136.122

Rectangle

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



49, 98.001, 327.623



49, 98.001, 17.623



49, 98.001, 147.623



49, 98.001, 197.623

Sweetspot

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



49, 97.999, 327.623



83, 46.131, 325.596



26, 111.470, 305.745



42, 31.581, 325.816



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 97.999, 327.623



60, 115.642, 327.623



45, 72.156, 358.950



41, 7.657, 324.524



39, 84.713, 327.639



6, 30.992, 327.277

Inverse Universe

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



44, 86.304, 38.322



53, 103.975, 39.583



73, 75.563, 149.174



41, 4.459, 18.702



35, 75.822, 39.250



4, 20.016, 18.761

Previews

White Background



This preview shows how the CIELCh color 49, 98.001, 327.623 looks on a white background.

Color Contrast Check

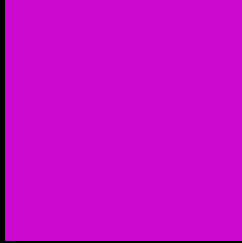
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 98.001, 327.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

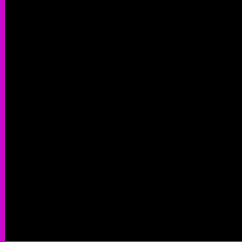
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 98.001, 327.623

Background



This preview shows how black text looks on a background with the CIELCh color 49, 98.001, 327.623.



This preview shows how white text looks on a background with the CIELCh color 49, 98.001, 327.623.

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

49, 97.911, 327.619

Protanopia

50, 73.727, 287.200

Deuteranopia

50, 45.987, 279.679



Tritanopia
49, 48.215, 23.411

Trichromacy



Original Color
49, 97.911, 327.619



Protanomaly
42, 89.979, 300.962



Deuteranomaly
44, 71.634, 306.974



Tritanomaly
47, 62.053, 350.476

Monochromacy



Original Color
49, 97.911, 327.619



Achromatopsia
38, 0.005, 296.813



Achromatomaly
38, 49.168, 326.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 98.001, 327.623 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(204, 10, 207)` looks like.

```
.text, #text, p{  
    color:rgb(204, 10, 207)  
}
```

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(204, 10, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 10, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 98.001, 327.623 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(204, 10, 207) }
```

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

```
.border{ border-color:rgb(204, 10, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 10, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 10, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 10, 207);  
box-shadow:4px 4px 4px 4px rgb(204, 10,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 98.001, 327.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 10, 207) }
```

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

```
.background{ background-color: rgb(204, 10,  
207) }
```

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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