

# Converting Colors

CIELCh(49, 103.915, 325.111)

Have a look what the booklet for  
CIELCh(49, 103.915, 325.111)  
contains.

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**Color**

**CIELCh(49, 103.514, 325.174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA00DB
RGB	202, 0, 219
RGB Percent	79%, 0%, 86%
CMY	0.2089, 1.0000, 0.1422
CMYK	0.08, 1.00, 0.00, 0.14
HSL	295°, 100%, 43%
HSV	295°, 100%, 86%
XYZ	37.0193, 17.5941, 68.2751
YIQ	85.3640, 50.0930, 110.9330

# Conversions

## Conversions Part 2

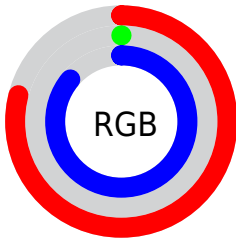
<b>Format</b>	<b>Color</b>
<b>RYB</b>	202, 0, 219
Decimal	13238491
CIELab	49.00, 84.97, -59.12
CIELCh	49, 103.514, 325.174
Yxy	17.5941, 0.3012, 0.1432
Android (android.graphics.Color)	4291428571 (0xFFCA00DB)
YUV	85.3640, 65.8825, 102.2898
Hunter-Lab	41.9453, 84.1330, -67.1458

# Details

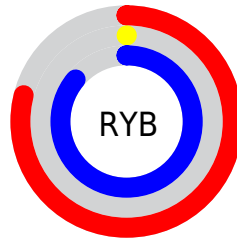
The CIELCh color **49, 103.514, 325.174** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **76, 106.259, 135.732**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 94.425, 327.592**, and **35, 83.424, 323.547** is the 20% darker color. If you saturate the color by 10%, you get **49, 103.418, 325.168**, and if you desaturate by 10%, it is **50, 101.050, 325.332**.

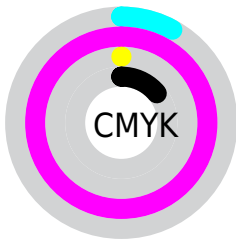
# Distribution



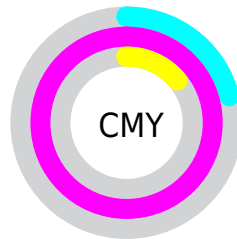
- Red (79%)
- Green (0%)
- Blue (86%)



- Red (79%)
- Yellow (0%)
- Blue (86%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)




- Cyan (21%)
- Magenta (100%)
- Yellow (14%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 103.514, 325.174 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, 103.514, 325.174 by changing the saturation by 10% instead.





 49, 103.514,  
325.174


 49, 103.514,  
325.174


 100, 103.514,  
325.174


 39, 103.514,  
325.174


 69, 103.514,  
325.174


 29, 103.514,  
325.174


 79, 103.514,  
325.174

 19, 103.514,  
325.174


 89, 103.514,  
325.174

 9, 103.514,  
325.174

 99, 103.514,  
325.174


 0, 103.514,  
325.174


 49, 103.514,


 49, 103.514,


325.174


325.174

 49, 103.418,  
325.168


 50, 101.050,  
325.332


 52, 96.333,  
325.367


 54, 88.952,  
325.259

 58, 79.235,  
325.025

 62, 67.709,  
324.689

 66, 54.944,  
324.278

 71, 41.447,  
323.816

 76, 27.615,  
323.324

■ 82, 13.737,  
322.815

# Harmonies

# Complementary

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



49, 103.514, 325.174



76, 106.259, 135.732

# Rectangle

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



49, 103.514, 325.174



49, 103.514, 15.174



49, 103.514, 145.174



49, 103.514, 195.174

# Sweetspot

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



49, 103.418, 325.168



82, 46.937, 323.828



28, 115.365, 305.389



41, 31.971, 324.029



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, 103.418, 325.168



57, 116.129, 325.142



48, 77.145, 354.755



43, 7.812, 322.786



39, 86.956, 325.215



6, 34.254, 325.492



# Inverse Universe

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



46, 89.936, 37.348



53, 101.394, 37.670



77, 86.476, 145.066



43, 4.656, 13.647



36, 75.044, 36.717



5, 23.744, 16.913



# Previews

## White Background



This preview shows how the CIELCh color 49, 103.514, 325.174 looks on a white background.

## Color Contrast Check

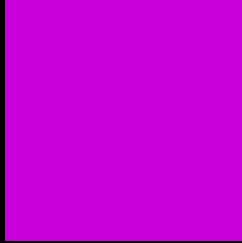
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 103.514, 325.174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

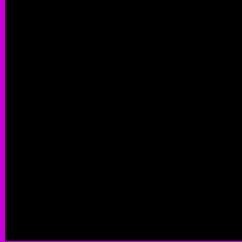
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 49, 103.514, 325.174

## Background



This preview shows how black text looks on a background with the CIELCh color 49, 103.514, 325.174.



This preview shows how white text looks on a background with the CIELCh color 49, 103.514, 325.174.

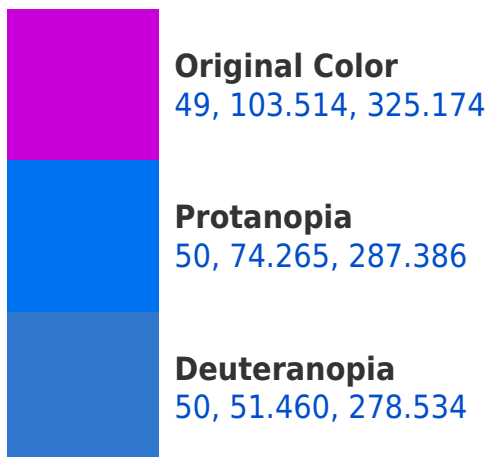




# Color Blindness Simulation

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





**Tritanopia**  
49, 44.402, 21.652

# Trichromacy



**Original Color**  
49, 103.514, 325.174



**Protanomaly**  
41, 94.442, 301.629



**Deuteranomaly**  
42, 80.110, 304.508



**Tritanomaly**  
47, 63.222, 345.878

# Monochromacy



**Original Color**  
49, 103.514, 325.174



**Achromatopsia**  
36, 0.005, 296.813



**Achromatomaly**  
36, 53.204, 324.648

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 103.514, 325.174 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 219) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 103.514, 325.174 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, 219) }
```

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

```
.border{ border-color:rgb(202, 0, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 219);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
219) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 103.514, 325.174 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, 219) }
```

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

```
.background{ background-color: rgb(202, 0,  
219) }
```

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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