

Converting Colors

CIELCh(49, 97.989, 329.026)

Have a look what the booklet for
CIELCh(49, 97.989, 329.026)
contains.

CIELCh(49, 97.619, 329.017)	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, 97.619, 329.017)

Conversions

Conversions Part 1

Format	Color
Hex	CF00CB
RGB	207, 0, 203
RGB Percent	81%, 0%, 80%
CMY	0.1869, 1.0000, 0.2024
CMYK	0.00, 1.00, 0.02, 0.19
HSL	301°, 100%, 41%
HSV	301°, 100%, 81%
XYZ	36.6305, 17.5941, 58.2102
YIQ	85.0350, 58.2090, 107.0170

Conversions

Conversions Part 2

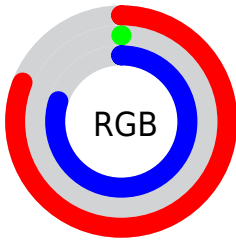
Format	Color
R_{YB}	207, 0, 203
Decimal	13566155
CIE _{Lab}	49.00, 83.69, -50.25
CIE _{LCh}	49, 97.619, 329.017
Yxy	17.5941, 0.3258, 0.1565
Android (android.graphics.Color)	4291756235 (0xFFCF00CB)
YUV	85.0350, 58.1567, 106.9633
Hunter-Lab	41.9453, 82.4784, -52.9190

Details

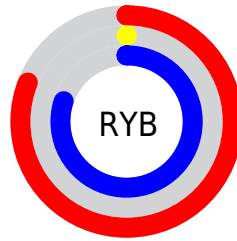
The CIELCh color **49, 97.619, 329.017** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **73, 102.148, 136.150**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 94.425, 327.592**, and **35, 77.031, 328.233** is the 20% darker color. If you saturate the color by 10%, you get **49, 97.402, 329.011**, and if you desaturate by 10%, it is **50, 95.400, 328.872**.

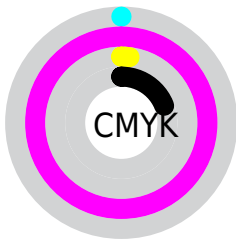
Distribution



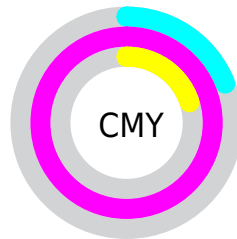
- Red (81%)
- Green (0%)
- Blue (80%)



- Red (81%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 97.619, 329.017 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, 97.619, 329.017 by changing the saturation by 10% instead.


 49, 97.619,
329.017


 49, 97.619,
329.017


 100, 97.619,
329.017


 39, 97.619,
329.017

 69, 97.619,
329.017


 29, 97.619,
329.017

 79, 97.619,
329.017

 19, 97.619,
329.017

 89, 97.619,
329.017

 9, 97.619, 329.017

 99, 97.619,
329.017

 0, 97.619, 329.017

 49, 97.619,

 49, 97.619,

329.017

329.017

■ 49, 97.402,
329.011

■ 50, 95.400,
328.872

■ 51, 91.262,
328.668

■ 53, 84.613,
328.385

■ 56, 75.685,
328.025

■ 60, 64.929,
327.596

■ 64, 52.865,
327.113

■ 68, 39.985,
326.591

■ 73, 26.694,
326.045

■ 78, 13.298,
325.483

Harmonies

Complementary

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



49, 97.619, 329.017



73, 102.148, 136.150

Rectangle

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



49, 97.619, 329.017



49, 97.619, 19.017



49, 97.619, 149.017



49, 97.619, 199.017

Sweetspot

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



49, 97.402, 329.011



82, 47.285, 326.611



25, 114.413, 306.330



41, 32.172, 326.837



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, 97.402, 329.011



60, 113.819, 329.021



45, 72.323, 3.975



41, 7.594, 325.450



40, 83.412, 329.000



6, 30.667, 328.442

Inverse Universe

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



49, 97.402, 329.011



60, 113.819, 329.021



73, 75.172, 149.803



41, 7.594, 325.450



40, 83.412, 329.000



6, 30.667, 328.442

Previews

White Background



This preview shows how the CIE LCh color 49, 97.619, 329.017 looks on a white background.

Color Contrast Check

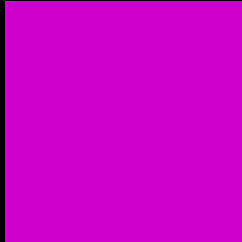
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.619, 329.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

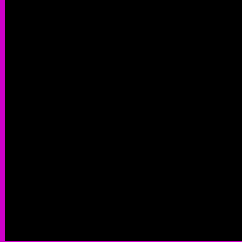
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 97.619, 329.017

Background



This preview shows how black text looks on a background with the CIELCh color 49, 97.619, 329.017.



This preview shows how white text looks on a background with the CIELCh color 49, 97.619, 329.017.

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, 97.261, 329.020

Protanopia

50, 74.804, 287.570

Deuteranopia

50, 42.934, 279.658



Tritanopia
49, 50.891, 24.102

Trichromacy



Original Color
49, 97.261, 329.020



Protanomaly
41, 91.750, 301.653



Deuteranomaly
43, 71.829, 309.063



Tritanomaly
47, 63.943, 352.222

Monochromacy



Original Color
49, 97.261, 329.020



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 50.645, 327.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 97.619, 329.017 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(207, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 203)  
}
```

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(207, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 97.619, 329.017 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(207, 0, 203) }
```

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

```
.border{ border-color:rgb(207, 0, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 0, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 97.619, 329.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 203) }
```

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

```
.background{ background-color: rgb(207, 0,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor