

Converting Colors

CIELCh(49, 91.451, 328.056)

Have a look what the booklet for
CIELCh(49, 91.451, 328.056)
contains.

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Color

CIELCh(49, 91.428, 328.060)

Conversions

Conversions Part 1

Format	Color
Hex	C822C8
RGB	200, 34, 200
RGB Percent	78%, 13%, 78%
CMY	0.2157, 0.8666, 0.2157
CMYK	0.00, 0.83, 0.00, 0.22
HSL	300°, 71%, 46%
HSV	300°, 83%, 78%
XYZ	34.8175, 17.5941, 56.2063
YIQ	102.5580, 45.6500, 86.8180

Conversions

Conversions Part 2

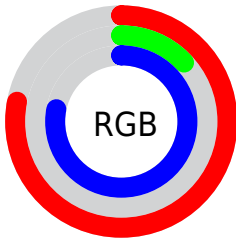
Format	Color
RYB	200, 34, 200
Decimal	13116104
CIELab	49.00, 77.59, -48.37
CIELCh	49, 91.428, 328.060
Yxy	17.5941, 0.3206, 0.1620
Android (android.graphics.Color)	4291306184 (0xFFC822C8)
YUV	102.5580, 48.0389, 85.4566
Hunter-Lab	41.9453, 74.7634, -50.0864

Details

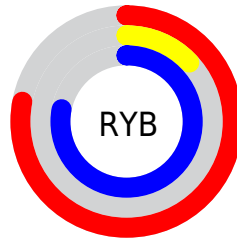
The CIELCh color **49, 91.428, 328.060** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **71, 93.980, 136.885**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.964, 327.453**, and **33, 75.982, 327.166** is the 20% darker color. If you saturate the color by 10%, you get **48, 94.893, 328.184**, and if you desaturate by 10%, it is **51, 85.524, 327.846**.

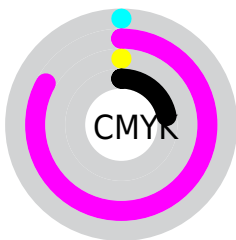
Distribution



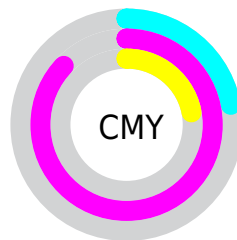
- Red (78%)
- Green (13%)
- Blue (78%)



- Red (78%)
- Yellow (13%)
- Blue (78%)



- Cyan (0%)
- Magenta (83%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (87%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 91.428, 328.060 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, 91.428, 328.060 by changing the saturation by 10% instead.


 49, 91.428,
328.060


 49, 91.428,
328.060


 100, 91.428,
328.060


 39, 91.428,
328.060

 69, 91.428,
328.060


 29, 91.428,
328.060

 79, 91.428,
328.060

 19, 91.428,
328.060

 89, 91.428,
328.060

 9, 91.428, 328.060

 99, 91.428,
328.060

 0, 91.428, 328.060

 49, 91.428,

 49, 91.428,

328.060

328.060

■ 48, 94.893,
328.184

■ 51, 85.524,
327.846

■ 48, 96.245,
328.232

■ 53, 77.321,
327.542

■ 57, 67.200,
327.159

■ 60, 55.656,
326.710

■ 65, 43.180,
326.213

■ 69, 30.193,
325.684

■ 74, 17.022,
325.135

■ 79, 3.901, 324.539

Harmonies

Complementary

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



49, 91.428, 328.060



71, 93.980, 136.885

Rectangle

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



49, 91.428, 328.060



49, 91.428, 18.060



49, 91.428, 148.060



49, 91.428, 198.060

Sweetspot

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



49, 91.426, 328.060



85, 39.976, 325.811



29, 98.806, 303.995



43, 27.247, 326.001



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, 91.426, 328.060



60, 115.567, 328.232



45, 67.729, 354.749



39, 7.382, 324.932



39, 82.760, 328.232



4, 26.742, 327.026

Inverse Universe

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



44, 75.923, 34.935



53, 104.575, 40.000



71, 67.327, 151.888



39, 4.279, 19.922



34, 74.644, 39.776



3, 15.885, 19.405

Previews

White Background



This preview shows how the CIELCh color 49, 91.428, 328.060 looks on a white background.

Color Contrast Check

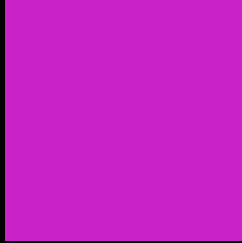
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.428, 328.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

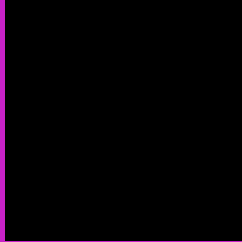
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 91.428, 328.060

Background



This preview shows how black text looks on a background with the CIELCh color 49, 91.428, 328.060.



This preview shows how white text looks on a background with the CIELCh color 49, 91.428, 328.060.

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, 91.428, 328.060

Protanopia

50, 74.336, 287.570

Deuteranopia

50, 42.396, 279.688



Tritanopia
49, 46.306, 22.271

Trichromacy



Original Color
49, 91.428, 328.060



Protanomaly
43, 83.461, 298.951



Deuteranomaly
45, 63.393, 306.345



Tritanomaly
48, 57.049, 351.523

Monochromacy



Original Color
49, 91.428, 328.060



Achromatopsia
44, 0.006, 296.813



Achromatomaly
42, 41.633, 326.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 91.428, 328.060 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(200, 34, 200)` looks like.

```
.text, #text, p{  
    color:rgb(200, 34, 200)  
}
```

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(200, 34, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 34, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 91.428, 328.060 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(200, 34, 200) }
```

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

```
.border{ border-color:rgb(200, 34, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 34, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 34, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 34, 200);  
box-shadow:4px 4px 4px 4px rgb(200, 34,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 91.428, 328.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 34, 200) }
```

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

```
.background{ background-color: rgb(200, 34,  
200) }
```

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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