

Converting Colors

CIELCh(49, 92.529, 328.710)

Have a look what the booklet for
CIELCh(49, 92.529, 328.710)
contains.

CIELCh(49, 92.725, 328.522)	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, 92.725, 328.522)

Conversions

Conversions Part 1

Format	Color
Hex	CA1CC8
RGB	202, 28, 200
RGB Percent	79%, 11%, 78%
CMY	0.2073, 0.8892, 0.2152
CMYK	0.00, 0.86, 0.01, 0.21
HSL	301°, 75%, 45%
HSV	301°, 86%, 79%
XYZ	35.2554, 17.5941, 56.2590
YIQ	99.6340, 48.4920, 90.3800

Conversions

Conversions Part 2

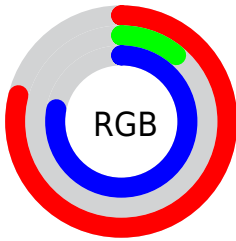
Format	Color
R_{YB}	202, 28, 200
Decimal	13245640
CIE _{Lab}	49.00, 79.08, -48.42
CIE _{LCh}	49, 92.725, 328.522
Yxy	17.5941, 0.3231, 0.1613
Android (android.graphics.Color)	4291435720 (0xFFCA1CC8)
YUV	99.6340, 49.4804, 89.7750
Hunter-Lab	41.9453, 76.6269, -50.1609

Details

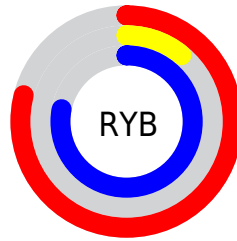
The CIELCh color **49, 92.725, 328.522** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **71, 95.936, 136.813**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 91.340, 327.496**, and **34, 75.931, 327.698** is the 20% darker color. If you saturate the color by 10%, you get **48, 95.423, 328.657**, and if you desaturate by 10%, it is **51, 87.601, 328.307**.

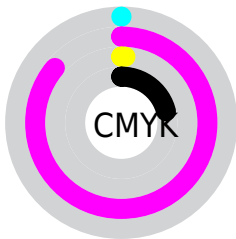
Distribution



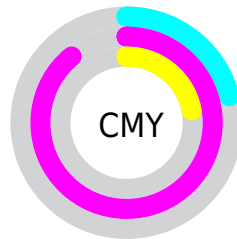
- Red (79%)
- Green (11%)
- Blue (78%)



- Red (79%)
- Yellow (11%)
- Blue (78%)



- Cyan (0%)
- Magenta (86%)
- Yellow (1%)
- Black (21%)





- Cyan (21%)
- Magenta (89%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 92.725, 328.522 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, 92.725, 328.522 by changing the saturation by 10% instead.


 49, 92.725,
328.522


 49, 92.725,
328.522


 100, 92.725,
328.522


 39, 92.725,
328.522

 69, 92.725,
328.522


 29, 92.725,
328.522

 79, 92.725,
328.522

 19, 92.725,
328.522

 89, 92.725,
328.522

 9, 92.725, 328.522

 99, 92.725,
328.522

 0, 92.725, 328.522

 49, 92.725,

 49, 92.725,

328.522

328.522

■ 48, 95.423,
328.657

■ 51, 87.601,
328.307

■ 48, 96.133,
328.699

■ 53, 80.083,
328.007

■ 56, 70.497,
327.629

■ 60, 59.322,
327.186

■ 64, 47.068,
326.692

■ 68, 34.184,
326.165

■ 73, 21.028,
325.616

■ 78, 7.861, 325.046

Harmonies

Complementary

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



49, 92.725, 328.522



71, 95.936, 136.813

Rectangle

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



49, 92.725, 328.522



49, 92.725, 18.522



49, 92.725, 148.522



49, 92.725, 198.522

Sweetspot

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



49, 92.723, 328.522



84, 41.246, 326.183



28, 103.808, 304.859



43, 27.927, 326.371



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, 92.723, 328.522



60, 114.506, 328.706



45, 68.827, 357.030



40, 7.479, 325.244



39, 82.964, 328.693



5, 28.776, 327.866

Inverse Universe

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



49, 92.723, 328.522



60, 114.506, 328.706



72, 68.413, 152.077



40, 7.479, 325.244



39, 82.964, 328.693



5, 28.776, 327.866

Previews

White Background



This preview shows how the CIELCh color 49, 92.725, 328.522 looks on a white background.

Color Contrast Check

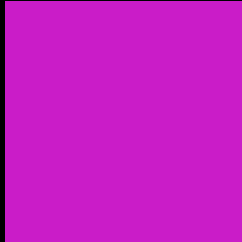
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.725, 328.522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

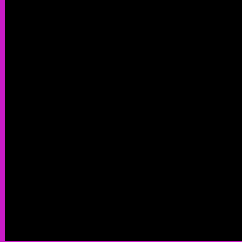
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 92.725, 328.522

Background



This preview shows how black text looks on a background with the CIELCh color 49, 92.725, 328.522.

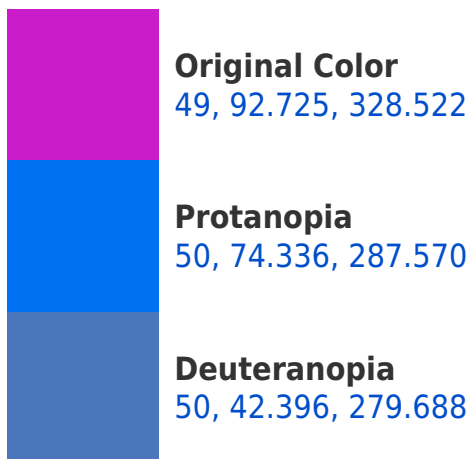


This preview shows how white text looks on a background with the CIELCh color 49, 92.725, 328.522.

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, 47.791, 23.317

Trichromacy



Original Color
49, 92.725, 328.522



Protanomaly
43, 85.227, 299.582



Deuteranomaly
45, 64.668, 307.051



Tritanomaly
48, 58.617, 352.197

Monochromacy



Original Color
49, 92.725, 328.522



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 43.149, 327.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 92.725, 328.522 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, 28, 200)` looks like.

```
.text, #text, p{  
    color:rgb(202, 28, 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(202, 28, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 28, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 92.725, 328.522 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, 28, 200) }
```

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

```
.border{ border-color:rgb(202, 28, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 28, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 28, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 28, 200);  
box-shadow:4px 4px 4px 4px rgb(202, 28,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 92.725, 328.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 28, 200) }
```

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

```
.background{ background-color: rgb(202, 28,  
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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