

Converting Colors

CIELCh(49, 90.778, 328.023)

Have a look what the booklet for
CIELCh(49, 90.778, 328.023)
contains.

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Color

CIELCh(49, 90.550, 328.041)

Conversions

Conversions Part 1

Format	Color
Hex	C724C7
RGB	199, 36, 199
RGB Percent	78%, 14%, 78%
CMY	0.2186, 0.8573, 0.2187
CMYK	0.00, 0.82, 0.00, 0.22
HSL	300°, 69%, 46%
HSV	300°, 82%, 78%
XYZ	34.5958, 17.5941, 55.7462
YIQ	103.3190, 44.8250, 85.2490

Conversions

Conversions Part 2

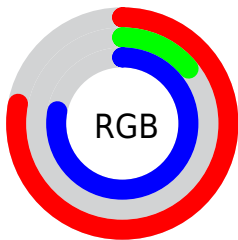
Format	Color
R_{YB}	199, 36, 199
Decimal	13051079
CIE _{Lab}	49.00, 76.83, -47.93
CIE _{LCh}	49, 90.550, 328.041
Yxy	17.5941, 0.3205, 0.1630
Android (android.graphics.Color)	4291241159 (0xFFC724C7)
YUV	103.3190, 47.1707, 83.9122
Hunter-Lab	41.9453, 73.8199, -49.4360

Details

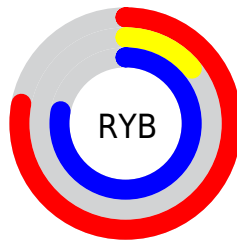
The CIELCh color **49, 90.550, 328.041** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **71, 92.996, 136.990**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.498, 327.438**, and **33, 75.573, 327.427** is the 20% darker color. If you saturate the color by 10%, you get **48, 94.308, 328.177**, and if you desaturate by 10%, it is **51, 84.359, 327.815**.

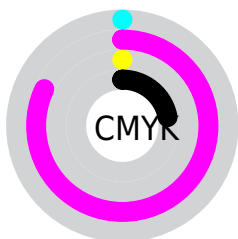
Distribution



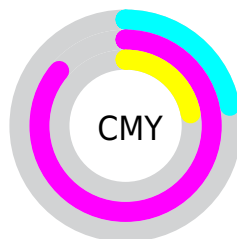
- Red (78%)
- Green (14%)
- Blue (78%)



- Red (78%)
- Yellow (14%)
- Blue (78%)



- Cyan (0%)
- Magenta (82%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (86%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 90.550, 328.041 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, 90.550, 328.041 by changing the saturation by 10% instead.


 49, 90.550,
328.041


 49, 90.550,
328.041


 100, 90.550,
328.041


 39, 90.550,
328.041

 69, 90.550,
328.041


 29, 90.550,
328.041

 79, 90.550,
328.041

 19, 90.550,
328.041

 89, 90.550,
328.041

 9, 90.550, 328.041

 99, 90.550,
328.041

 0, 90.550, 328.041

 49, 90.550,

 49, 90.550,

328.041

328.041

■ 48, 94.308,
328.177

■ 51, 84.359,
327.815

■ 47, 95.966,
328.236

■ 54, 75.915,
327.501

■ 57, 65.618,
327.108

■ 61, 53.967,
326.653

■ 65, 41.444,
326.151

■ 70, 28.459,
325.619

■ 74, 15.325,
325.067

■ 79, 2.264, 324.426

■ 85, 10.578,
144.027

Harmonies

Complementary

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



49, 90.550, 328.041



71, 92.996, 136.990

Rectangle

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



49, 90.550, 328.041



49, 90.550, 18.041



49, 90.550, 148.041



49, 90.550, 198.041

Sweetspot

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



49, 90.548, 328.041



85, 39.974, 325.814



29, 98.537, 304.145



43, 27.245, 326.004



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, 90.548, 328.041



60, 115.227, 328.226



45, 66.704, 355.677



39, 7.382, 324.934



39, 82.754, 328.236



4, 26.740, 327.029

Inverse Universe

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



49, 90.548, 328.041



60, 115.227, 328.226



71, 65.363, 152.984



39, 7.382, 324.934



39, 82.754, 328.236



4, 26.740, 327.029

Previews

White Background



This preview shows how the CIELCh color 49, 90.550, 328.041 looks on a white background.

Color Contrast Check

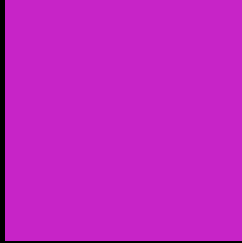
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.550, 328.041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

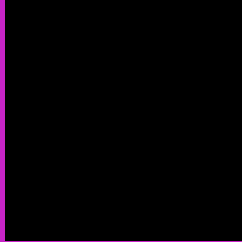
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 90.550, 328.041

Background



This preview shows how black text looks on a background with the CIELCh color 49, 90.550, 328.041.



This preview shows how white text looks on a background with the CIELCh color 49, 90.550, 328.041.

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, 90.550, 328.041

Protanopia

50, 74.336, 287.570

Deuteranopia

49, 42.356, 280.347



Tritanopia
49, 45.523, 22.702

Trichromacy



Original Color
49, 90.550, 328.041



Protanomaly
43, 82.857, 298.598



Deuteranomaly
45, 62.221, 306.445



Tritanomaly
48, 55.920, 351.538

Monochromacy



Original Color
49, 90.550, 328.041



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 41.595, 326.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 90.550, 328.041 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(199, 36, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 36, 199)  
}
```

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(199, 36, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 36, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 90.550, 328.041 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(199, 36, 199) }
```

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

```
.border{ border-color:rgb(199, 36, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 36, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 36, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 36, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 36,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 90.550, 328.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 36, 199) }
```

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

```
.background{ background-color: rgb(199, 36,  
199) }
```

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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