

Converting Colors

CIELCh(49, 107.571, 322.819)

Have a look what the booklet for
CIELCh(49, 107.571, 322.819)
contains.

CIELCh(49, 107.558, 322.787)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(49, 107.558, 322.787)

Conversions

Conversions Part 1

Format	Color
Hex	C502E5
RGB	197, 2, 229
RGB Percent	77%, 1%, 90%
CMY	0.2271, 0.9908, 0.1016
CMYK	0.14, 0.99, 0.00, 0.10
HSL	292°, 98%, 45%
HSV	292°, 99%, 90%
XYZ	37.2280, 17.5941, 75.6236
YIQ	86.1830, 43.3530, 111.9370

Conversions

Conversions Part 2

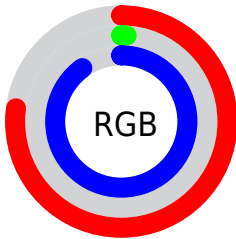
Format	Color
RYB	197, 2, 229
Decimal	12911333
CIELab	49.00, 85.66, -65.05
CIELCh	49, 107.558, 322.787
Yxy	17.5941, 0.2854, 0.1349
Android (android.graphics.Color)	4291101413 (0xFFC502E5)
YUV	86.1830, 70.4088, 97.1865
Hunter-Lab	41.9453, 85.0210, -77.5329

Details

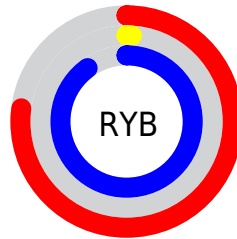
The CIELCh color **49, 107.558, 322.787** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **80, 109.172, 135.338**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.995, 327.578**, and **35, 87.702, 320.619** is the 20% darker color. If you saturate the color by 10%, you get **49, 107.785, 322.750**, and if you desaturate by 10%, it is **50, 104.762, 323.113**.

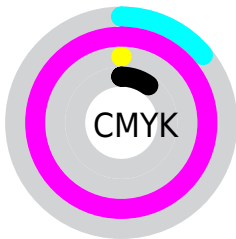
Distribution



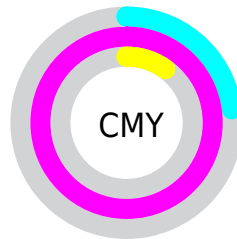
- Red (77%)
- Green (1%)
- Blue (90%)



- Red (77%)
- Yellow (1%)
- Blue (90%)



- Cyan (14%)
- Magenta (99%)
- Yellow (0%)
- Black (10%)





- Cyan (23%)
- Magenta (99%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 107.558, 322.787 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, 107.558, 322.787 by changing the saturation by 10% instead.


 49, 107.558,
322.787


 49, 107.558,
322.787


 100, 107.558,
322.787


 39, 107.558,
322.787


 69, 107.558,
322.787


 29, 107.558,
322.787


 79, 107.558,
322.787

 19, 107.558,
322.787


 89, 107.558,
322.787

 9, 107.558,
322.787

 99, 107.558,
322.787


 0, 107.558,
322.787


 49, 107.558,


 49, 107.558,


322.787


322.787

 49, 107.785,
322.750


 50, 104.762,
323.113


 52, 99.294,
323.256


 55, 91.060,
323.216

 59, 80.509,
323.024

 64, 68.250,
322.716

 69, 54.886,
322.328

 74, 40.918,
321.889

 80, 26.721,
321.422

■ 86, 12.556,
320.941

Harmonies

Complementary

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



49, 107.558, 322.787



80, 109.172, 135.338

Rectangle

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



49, 107.558, 322.787



49, 107.558, 12.787



49, 107.558, 142.787



49, 107.558, 192.787

Sweetspot

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



49, 107.556, 322.787



81, 46.209, 321.943



32, 113.562, 303.984



41, 31.504, 322.132



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, 107.556, 322.787



54, 116.895, 322.720



51, 82.381, 348.870



45, 7.959, 320.964



38, 89.411, 322.835



7, 37.210, 323.551

Inverse Universe

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



48, 89.154, 33.790



53, 97.698, 34.531



80, 94.321, 142.670



45, 4.891, 8.616



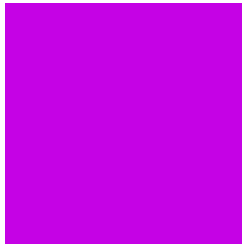
37, 73.833, 33.377



6, 26.741, 15.893

Previews

White Background



This preview shows how the CIE LCh color 49, 107.558, 322.787 looks on a white background.

Color Contrast Check

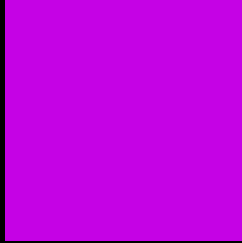
Large Text (above 18pt) WCAG AA ✓ Pass

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, 107.558, 322.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

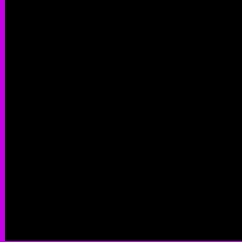
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 107.558, 322.787

Background



This preview shows how black text looks on a background with the CIELCh color 49, 107.558, 322.787.



This preview shows how white text looks on a background with the CIELCh color 49, 107.558, 322.787.

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, 107.558, 322.787

Protanopia

50, 73.727, 287.200

Deuteranopia

50, 55.376, 277.268



Tritanopia
49, 39.440, 20.175

Trichromacy



Original Color
49, 107.558, 322.787



Protanomaly
42, 96.042, 301.641



Deuteranomaly
41, 84.044, 300.103



Tritanomaly
46, 62.589, 341.617

Monochromacy



Original Color
49, 107.558, 322.787



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 53.879, 322.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 107.558, 322.787 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(197, 2, 229)` looks like.

```
.text, #text, p{  
    color:rgb(197, 2, 229)  
}
```

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(197, 2, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 2, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 107.558, 322.787 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(197, 2, 229) }
```

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

```
.border{ border-color:rgb(197, 2, 229) }
```

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

Here you see how a box with a 4 pixel rgb(197, 2, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 2, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 2, 229);  
box-shadow:4px 4px 4px 4px rgb(197, 2,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 107.558, 322.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 2, 229) }
```

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

```
.background{ background-color: rgb(197, 2,  
229) }
```

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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