

Converting Colors

CIELCh(49, 98.663, 327.570)

Have a look what the booklet for
CIELCh(49, 98.663, 327.570)
contains.

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Color

CIELCh(49, 98.632, 327.637)

Conversions

Conversions Part 1

Format	Color
Hex	CD05D0
RGB	205, 5, 208
RGB Percent	80%, 2%, 82%
CMY	0.1971, 0.9802, 0.1853
CMYK	0.01, 0.98, 0.00, 0.19
HSL	299°, 95%, 42%
HSV	299°, 98%, 81%
XYZ	36.5162, 17.5941, 60.9894
YIQ	87.9420, 54.0370, 105.5330

Conversions

Conversions Part 2

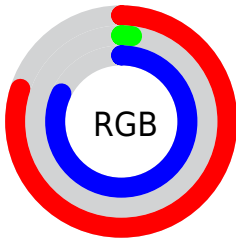
Format	Color
R_{YB}	205, 5, 208
Decimal	13436368
CIE _{Lab}	49.00, 83.31, -52.80
CIE _{LCh}	49, 98.632, 327.637
Yxy	17.5941, 0.3173, 0.1529
Android (android.graphics.Color)	4291626448 (0xFFCD05D0)
YUV	87.9420, 59.1886, 102.6599
Hunter-Lab	41.9453, 81.9920, -56.8473

Details

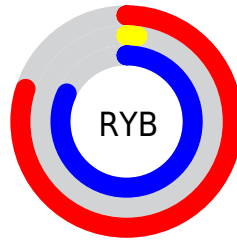
The CIELCh color **49, 98.632, 327.637** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **73, 102.009, 136.048**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.995, 327.578**, and **35, 79.109, 326.462** is the 20% darker color. If you saturate the color by 10%, you get **49, 99.087, 327.641**, and if you desaturate by 10%, it is **50, 96.093, 327.595**.

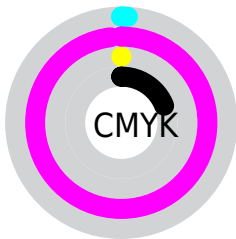
Distribution



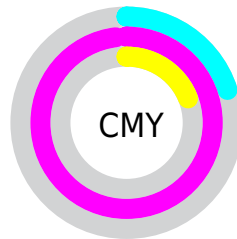
- Red (80%)
- Green (2%)
- Blue (82%)



- Red (80%)
- Yellow (2%)
- Blue (82%)



- Cyan (1%)
- Magenta (98%)
- Yellow (0%)
- Black (19%)



- Cyan (20%)
- Magenta (98%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 98.632, 327.637 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, 98.632, 327.637 by changing the saturation by 10% instead.

 49, 98.632,
327.637


 49, 98.632,
327.637

 100, 98.632,
327.637

 39, 98.632,
327.637

 69, 98.632,
327.637


 29, 98.632,
327.637

 79, 98.632,
327.637

 19, 98.632,
327.637

 89, 98.632,
327.637

 9, 98.632, 327.637

 99, 98.632,
327.637

 0, 98.632, 327.637

 49, 98.632,

 49, 98.632,

327.637

327.637

■ 49, 99.087,
327.641

■ 50, 96.093,
327.595

■ 51, 91.149,
327.459

■ 54, 83.717,
327.221

■ 57, 74.106,
326.891

■ 60, 62.800,
326.484

■ 65, 50.326,
326.018

■ 69, 37.157,
325.511

■ 74, 23.671,
324.979

■ 79, 10.147,
324.427

Harmonies

Complementary

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



49, 98.632, 327.637



73, 102.009, 136.048

Rectangle

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



49, 98.632, 327.637



49, 98.632, 17.637



49, 98.632, 147.637



49, 98.632, 197.637

Sweetspot

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



49, 98.630, 327.637



83, 46.134, 325.603



26, 112.805, 305.930



42, 31.584, 325.824



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, 98.630, 327.637



60, 115.641, 327.634



45, 72.524, 359.846



41, 7.658, 324.531



39, 84.712, 327.650



6, 30.994, 327.287

Inverse Universe

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



44, 87.670, 38.883



53, 103.986, 39.590



74, 76.798, 148.654



41, 4.459, 18.724



35, 75.833, 39.261



4, 20.016, 18.773

Previews

White Background



This preview shows how the CIELCh color 49, 98.632, 327.637 looks on a white background.

Color Contrast Check

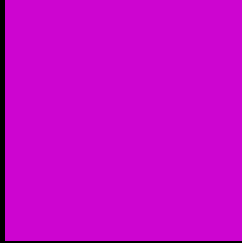
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.632, 327.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

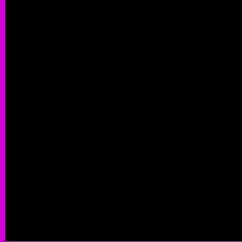
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 98.632, 327.637

Background



This preview shows how black text looks on a background with the CIELCh color 49, 98.632, 327.637.

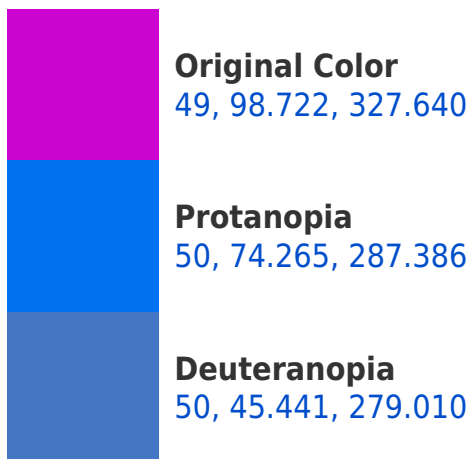


This preview shows how white text looks on a background with the CIELCh color 49, 98.632, 327.637.

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, 48.215, 23.411

Trichromacy



Original Color
49, 98.722, 327.640



Protanomaly
41, 91.712, 301.396



Deuteranomaly
43, 72.781, 307.115



Tritanomaly
47, 62.801, 350.245

Monochromacy



Original Color
49, 98.722, 327.640



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 50.259, 326.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 98.632, 327.637 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(205, 5, 208)` looks like.

```
.text, #text, p{  
    color:rgb(205, 5, 208)  
}
```

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(205, 5, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 5, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 98.632, 327.637 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(205, 5, 208) }
```

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

```
.border{ border-color:rgb(205, 5, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 5, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 5, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 5, 208);  
box-shadow:4px 4px 4px 4px rgb(205, 5,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 98.632, 327.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 5, 208) }
```

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

```
.background{ background-color: rgb(205, 5,  
208) }
```

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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