

Converting Colors

CIELCh(49, 71.218, 337.904)

Have a look what the booklet for
CIELCh(49, 71.218, 337.904)
contains.

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Color

CIELCh(49, 71.204, 337.998)

Conversions

Conversions Part 1

Format	Color
Hex	C738A3
RGB	199, 56, 163
RGB Percent	78%, 22%, 64%
CMY	0.2199, 0.7807, 0.3611
CMYK	0.00, 0.72, 0.18, 0.22
HSL	315°, 56%, 50%
HSV	315°, 72%, 78%
XYZ	31.5482, 17.5941, 36.3513
YIQ	110.9550, 50.8810, 63.5930

Conversions

Conversions Part 2

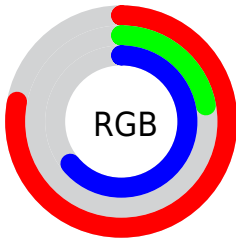
Format	Color
R _{YB}	199, 56, 163
Decimal	13056163
CIE _{Lab}	49.00, 66.02, -26.68
CIE _{LCh}	49, 71.204, 337.998
Yxy	17.5941, 0.3690, 0.2058
Android (android.graphics.Color)	4291246243 (0xFFC738A3)
YUV	110.9550, 25.6582, 77.2155
Hunter-Lab	41.9453, 60.8505, -22.0212

Details

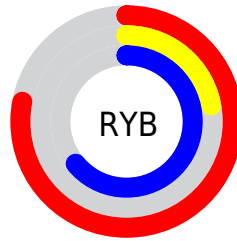
The CIELCh color **49, 71.204, 337.998** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **71, 73.402, 144.605**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 70.563, 337.049**, and **31, 63.288, 338.660** is the 20% darker color. If you saturate the color by 10%, you get **47, 76.024, 339.096**, and if you desaturate by 10%, it is **52, 64.215, 337.032**.

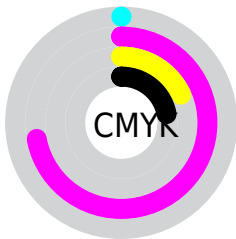
Distribution



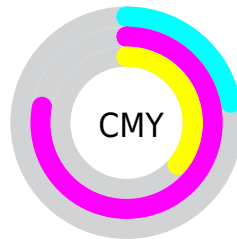
- Red (78%)
- Green (22%)
- Blue (64%)



- Red (78%)
- Yellow (22%)
- Blue (64%)



- Cyan (0%)
- Magenta (72%)
- Yellow (18%)
- Black (22%)



- Cyan (22%)
- Magenta (78%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 71.204, 337.998 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, 71.204, 337.998 by changing the saturation by 10% instead.


 49, 71.204,
337.998


 49, 71.204,
337.998


 100, 71.204,
337.998

 39, 71.204,
337.998

 69, 71.204,
337.998


 29, 71.204,
337.998

 79, 71.204,
337.998

 19, 71.204,
337.998

 89, 71.204,
337.998

 9, 71.204, 337.998

 99, 71.204,
337.998

 0, 71.204, 337.998

 49, 71.204,

 49, 71.204,

337.998

337.998

■ 47, 76.024,
339.096

■ 52, 64.215,
337.032

■ 45, 78.446,
340.378

■ 56, 55.521,
336.155

■ 45, 79.008,
341.560

■ 60, 45.634,
335.343

■ 64, 35.021,
334.578

■ 69, 24.055,
333.851

■ 74, 13.004,
333.153

■ 79, 2.053, 332.368

■ 85, 8.687, 151.942

■ 90, 19.152,
151.334

Harmonies

Complementary

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



49, 71.204, 337.998



71, 73.402, 144.605

Rectangle

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



49, 71.204, 337.998



49, 71.204, 27.998



49, 71.204, 157.998



49, 71.204, 207.998

Sweetspot

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



49, 71.201, 337.998



86, 29.582, 333.882



36, 85.666, 306.444



44, 19.884, 334.079



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, 71.201, 337.998



59, 93.588, 339.759



47, 59.691, 12.519



39, 6.193, 332.980



36, 68.385, 341.317



4, 21.444, 337.743

Inverse Universe

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



49, 71.201, 337.998



59, 93.588, 339.759



72, 46.430, 171.155



39, 6.193, 332.980



36, 68.385, 341.317



4, 21.444, 337.743

Previews

White Background



This preview shows how the CIELCh color 49, 71.204, 337.998 looks on a white background.

Color Contrast Check

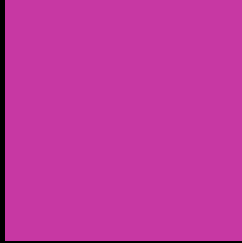
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.204, 337.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

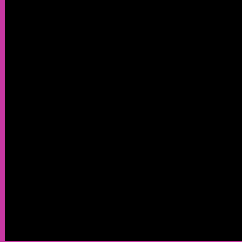
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 71.204, 337.998

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.204, 337.998.

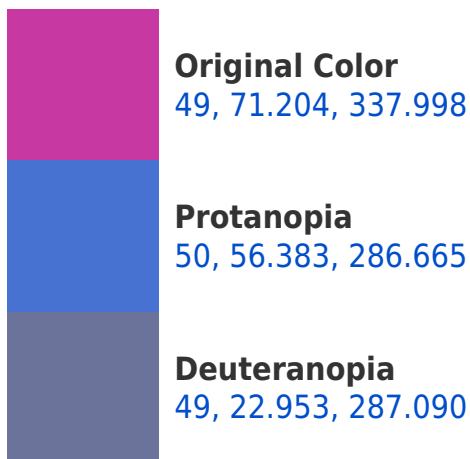


This preview shows how white text looks on a background with the CIELCh color 49, 71.204, 337.998.

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, 49.627, 23.832

Trichromacy



Original Color
49, 71.204, 337.998

Protanomaly
46, 59.533, 304.319

Deuteranomaly
47, 40.638, 318.853

Tritanomaly
49, 53.119, 2.916

Monochromacy



Original Color
49, 71.204, 337.998

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 30.491, 334.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 71.204, 337.998 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, 56, 163)` looks like.

```
.text, #text, p{  
    color:rgb(199, 56, 163)  
}
```

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, 56, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.204, 337.998 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, 56, 163) }
```

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

```
.border{ border-color:rgb(199, 56, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 56, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 163);  
box-shadow:4px 4px 4px 4px rgb(199, 56,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.204, 337.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 163) }
```

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

```
.background{ background-color: rgb(199, 56,  
163) }
```

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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