

Converting Colors

CIELCh(49, 70.036, 344.279)

Have a look what the booklet for
CIELCh(49, 70.036, 344.279)
contains.

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Color

CIELCh(49, 70.036, 344.279)

Conversions

Conversions Part 1

Format	Color
Hex	CD3396
RGB	205, 51, 150
RGB Percent	80%, 20%, 59%
CMY	0.1954, 0.7992, 0.4112
CMYK	0.00, 0.75, 0.27, 0.20
HSL	321°, 61%, 50%
HSV	321°, 75%, 80%
XYZ	31.9319, 17.5941, 30.6292
YIQ	108.3320, 60.0050, 63.4370

Conversions

Conversions Part 2

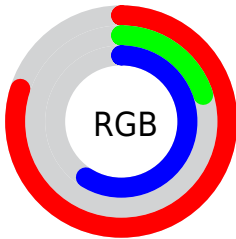
Format	Color
R_{YB}	205, 51, 150
Decimal	13448086
CIE _{Lab}	49.00, 67.42, -18.98
CIE _{LCh}	49, 70.036, 344.279
Yxy	17.5941, 0.3984, 0.2195
Android (android.graphics.Color)	4291638166 (0xFFCD3396)
YUV	108.3320, 20.5423, 84.7778
Hunter-Lab	41.9453, 62.4834, -13.9330

Details

The CIELCh color **49, 70.036, 344.279** 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 **73, 71.534, 147.856**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 67.733, 341.712**, and **32, 60.315, 346.081** is the 20% darker color. If you saturate the color by 10%, you get **47, 73.914, 346.081**, and if you desaturate by 10%, it is **52, 63.914, 342.797**.

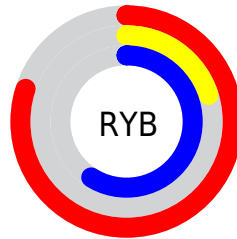
Distribution



Red (80%)

Green (20%)

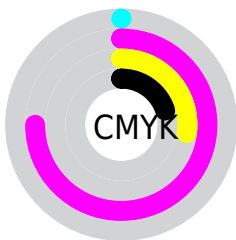
Blue (59%)



Red (80%)

Yellow (20%)

Blue (59%)

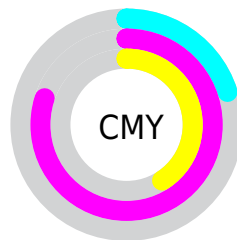


Cyan (0%)

Magenta (75%)

Yellow (27%)

Black (20%)



Cyan (20%)


Magenta (80%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 70.036, 344.279 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, 70.036, 344.279 by changing the saturation by 10% instead.


 49, 70.036,
344.279


 49, 70.036,
344.279


 100, 70.036,
344.279


 39, 70.036,
344.279

 69, 70.036,
344.279


 29, 70.036,
344.279

 79, 70.036,
344.279

 19, 70.036,
344.279

 89, 70.036,
344.279

 9, 70.036, 344.279

 99, 70.036,
344.279

 0, 70.036, 344.279

 49, 70.036,

 49, 70.036,

344.279

344.279

■ 47, 73.914,
346.081

■ 52, 63.914,
342.797

■ 46, 75.429,
348.305

■ 55, 55.976,
341.544

■ 45, 75.650,
349.533

■ 60, 46.739,
340.454

■ 64, 36.698,
339.484

■ 69, 26.253,
338.601

■ 74, 15.695,
337.785

■ 80, 5.219, 336.991

■ 85, 5.053, 156.436

■ 91, 15.053,
155.738

Harmonies

Complementary

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



49, 70.036, 344.279



73, 71.534, 147.856

Rectangle

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



49, 70.036, 344.279



49, 70.036, 34.279



49, 70.036, 164.279



49, 70.036, 214.279

Sweetspot

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



49, 70.033, 344.280



85, 28.750, 338.454



37, 90.698, 308.852



43, 19.915, 338.764



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, 70.033, 344.280



57, 88.485, 347.380



47, 65.156, 21.678



40, 5.864, 337.342



36, 64.743, 349.095



4, 21.757, 344.367

Inverse Universe

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



49, 70.033, 344.280



57, 88.485, 347.380



75, 44.293, 179.710



40, 5.864, 337.342



36, 64.743, 349.095



4, 21.757, 344.367

Previews

White Background



This preview shows how the CIELCh color 49, 70.036, 344.279 looks on a white background.

Color Contrast Check

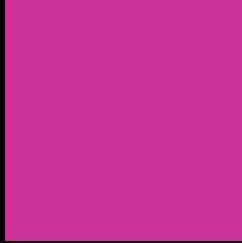
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.036, 344.279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

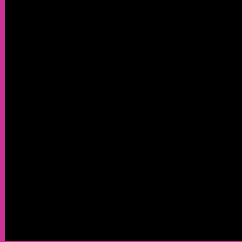
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 70.036, 344.279

Background



This preview shows how black text looks on a background with the CIELCh color 49, 70.036, 344.279.

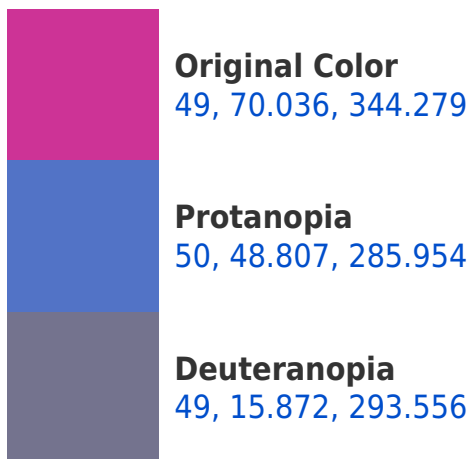


This preview shows how white text looks on a background with the CIELCh color 49, 70.036, 344.279.

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, 55.699, 26.010

Trichromacy



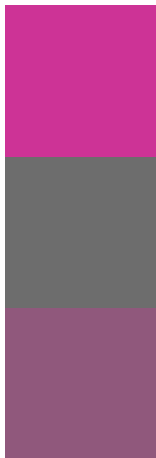
Original Color
49, 70.036, 344.279

Protanomaly
46, 53.750, 308.266

Deuteranomaly
47, 37.254, 327.967

Tritanomaly
49, 56.735, 8.439

Monochromacy



Original Color
49, 70.036, 344.279

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 30.471, 339.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 70.036, 344.279 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, 51, 150)` looks like.

```
.text, #text, p{  
    color:rgb(205, 51, 150)  
}
```

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, 51, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 51, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 70.036, 344.279 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, 51, 150) }
```

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

```
.border{ border-color:rgb(205, 51, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 51, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 51, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 51, 150);  
box-shadow:4px 4px 4px 4px rgb(205, 51,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 70.036, 344.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 51, 150) }
```

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

```
.background{ background-color: rgb(205, 51,  
150) }
```

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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