

Converting Colors

CIELCh(49, 90.368, 334.433)

Have a look what the booklet for
CIELCh(49, 90.368, 334.433)
contains.

CIELCh(49, 90.304, 334.370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 90.304, 334.370)

Conversions

Conversions Part 1

Format	Color
Hex	D404B8
RGB	212, 4, 184
RGB Percent	83%, 2%, 72%
CMY	0.1676, 0.9842, 0.2775
CMYK	0.00, 0.98, 0.13, 0.17
HSL	308°, 96%, 42%
HSV	308°, 98%, 83%
XYZ	35.9486, 17.5941, 46.9816
YIQ	86.7120, 66.1880, 100.0760

Conversions

Conversions Part 2

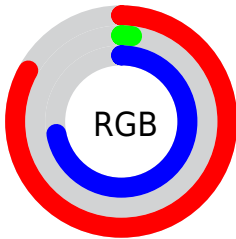
Format	Color
RYB	212, 4, 184
Decimal	13894840
CIELab	49.00, 81.42, -39.06
CIElCh	49, 90.304, 334.370
Yxy	17.5941, 0.3576, 0.1750
Android (android.graphics.Color)	4292084920 (0xFFD404B8)
YUV	86.7120, 47.9630, 109.8776
Hunter-Lab	41.9453, 79.5765, -37.0472

Details

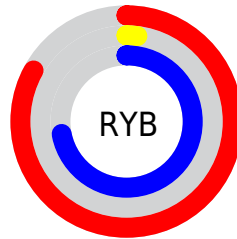
The CIELCh color **49, 90.304, 334.370** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **74, 100.498, 137.443**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 88.680, 330.455**, and **35, 70.258, 334.859** is the 20% darker color. If you saturate the color by 10%, you get **49, 90.481, 334.497**, and if you desaturate by 10%, it is **50, 88.764, 333.713**.

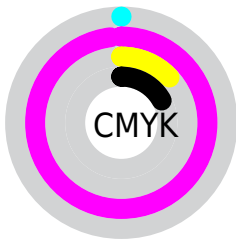
Distribution



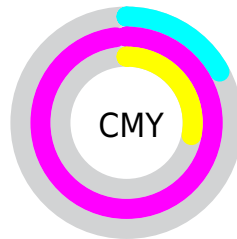
- Red (83%)
- Green (2%)
- Blue (72%)



- Red (83%)
- Yellow (2%)
- Blue (72%)



- Cyan (0%)
- Magenta (98%)
- Yellow (13%)
- Black (17%)





- Cyan (17%)
- Magenta (98%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 90.304, 334.370 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, 90.304, 334.370 by changing the saturation by 10% instead.


 49, 90.304,
334.370


 49, 90.304,
334.370


 100, 90.304,
334.370


 39, 90.304,
334.370

 69, 90.304,
334.370


 29, 90.304,
334.370

 79, 90.304,
334.370

 19, 90.304,
334.370

 89, 90.304,
334.370

 9, 90.304, 334.370

 99, 90.304,
334.370

 0, 90.304, 334.370

 49, 90.304,

 49, 90.304,

334.370

334.370

■ 49, 90.481,
334.497

■ 50, 88.764,
333.713

■ 52, 84.797,
333.091

■ 54, 78.292,
332.484

■ 57, 69.578,
331.878

■ 61, 59.162,
331.266

■ 65, 47.583,
330.648

■ 70, 35.318,
330.029

■ 75, 22.744,
329.412

■ 81, 10.131,
328.794

Harmonies

Complementary

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



49, 90.304, 334.370



74, 100.498, 137.443

Rectangle

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



49, 90.304, 334.370



49, 90.304, 24.370



49, 90.304, 154.370



49, 90.304, 204.370

Sweetspot

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



49, 90.301, 334.370



82, 42.276, 330.103



27, 114.717, 306.656



41, 28.946, 330.370



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, 90.301, 334.370



58, 103.795, 334.573



45, 73.988, 14.474



42, 7.153, 328.877



39, 77.090, 334.390



6, 29.857, 332.966

Inverse Universe

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



49, 90.301, 334.370



58, 103.795, 334.573



75, 66.377, 157.140



42, 7.153, 328.877



39, 77.090, 334.390



6, 29.857, 332.966

Previews

White Background



This preview shows how the CIELCh color 49, 90.304, 334.370 looks on a white background.

Color Contrast Check

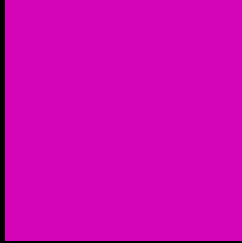
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.304, 334.370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

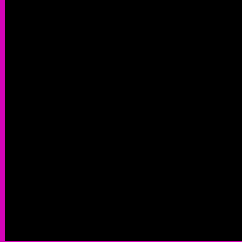
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 90.304, 334.370

Background



This preview shows how black text looks on a background with the CIELCh color 49, 90.304, 334.370.



This preview shows how white text looks on a background with the CIELCh color 49, 90.304, 334.370.

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, 90.214, 334.372

Protanopia

50, 74.804, 287.570

Deuteranopia

50, 33.166, 282.536



Tritanopia
49, 57.848, 26.482

Trichromacy



Original Color
49, 90.214, 334.372



Protanomaly
41, 87.369, 301.433



Deuteranomaly
44, 62.161, 315.361



Tritanomaly
48, 64.932, 359.675

Monochromacy



Original Color
49, 90.214, 334.372



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 46.855, 332.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 90.304, 334.370 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(212, 4, 184)` looks like.

```
.text, #text, p{  
    color:rgb(212, 4, 184)  
}
```

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(212, 4, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 4, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 90.304, 334.370 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(212, 4, 184) }
```

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

```
.border{ border-color:rgb(212, 4, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 4, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 4, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 4, 184);  
box-shadow:4px 4px 4px 4px rgb(212, 4,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 90.304, 334.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 4, 184) }
```

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

```
.background{ background-color: rgb(212, 4,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor