

Converting Colors

CIELCh(49, 88.308, 336.755)

Have a look what the booklet for
CIELCh(49, 88.308, 336.755)
contains.

CIELCh(49, 88.327, 336.881)	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, 88.327, 336.881)

Conversions

Conversions Part 1

Format	Color
Hex	D700B1
RGB	215, 0, 177
RGB Percent	84%, 0%, 69%
CMY	0.1576, 0.9986, 0.3065
CMYK	0.00, 1.00, 0.18, 0.16
HSL	311°, 100%, 42%
HSV	311°, 100%, 84%
XYZ	35.8934, 17.5941, 43.0133
YIQ	84.4630, 71.3230, 100.6270

Conversions

Conversions Part 2

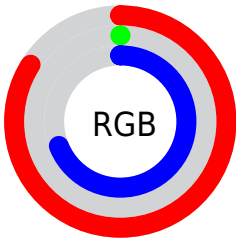
Format	Color
R_{YB}	215, 0, 177
Decimal	14090417
CIE _{Lab}	49.00, 81.23, -34.68
CIE _{LCh}	49, 88.327, 336.881
Yxy	17.5941, 0.3719, 0.1823
Android (android.graphics.Color)	4292280497 (0xFFD700B1)
YUV	84.4630, 45.6207, 114.4809
Hunter-Lab	41.9453, 79.3417, -31.4380

Details

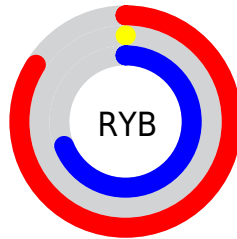
The CIELCh color **49, 88.327, 336.881** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **75, 100.366, 137.970**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 85.764, 332.304**, and **35, 68.369, 337.994** is the 20% darker color. If you saturate the color by 10%, you get **49, 88.336, 336.897**, and if you desaturate by 10%, it is **50, 87.278, 335.962**.

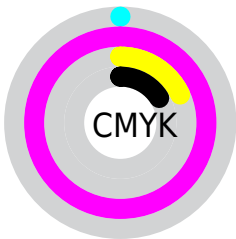
Distribution



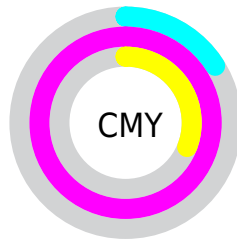
- Red (84%)
- Green (0%)
- Blue (69%)



- Red (84%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 88.327, 336.881 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, 88.327, 336.881 by changing the saturation by 10% instead.


 49, 88.327,
336.881


 49, 88.327,
336.881


 100, 88.327,
336.881


 39, 88.327,
336.881

 69, 88.327,
336.881


 29, 88.327,
336.881

 79, 88.327,
336.881

 19, 88.327,
336.881

 89, 88.327,
336.881

 9, 88.327, 336.881

 99, 88.327,
336.881

 0, 88.327, 336.881

 49, 88.327,

 49, 88.327,

336.881

336.881

■ 49, 88.336,
336.897

■ 50, 87.278,
335.962

■ 51, 83.965,
335.132

■ 54, 78.069,
334.370

■ 57, 69.884,
333.651

■ 61, 59.910,
332.956

■ 65, 48.699,
332.276

■ 70, 36.743,
331.610

■ 75, 24.434,
330.958

■ 81, 12.058,
330.315

Harmonies

Complementary

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



49, 88.327, 336.881



75, 100.366, 137.970

Rectangle

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



49, 88.327, 336.881



49, 88.327, 26.881



49, 88.327, 156.881



49, 88.327, 206.881

Sweetspot

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



49, 88.324, 336.881



82, 42.456, 331.641



28, 116.267, 306.936



41, 28.899, 331.923



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, 88.324, 336.881



58, 100.408, 336.999



45, 76.077, 18.577



42, 6.942, 330.288



39, 74.632, 336.735



6, 28.930, 334.814

Inverse Universe

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



49, 88.324, 336.881



58, 100.408, 336.999



76, 64.909, 159.102



42, 6.942, 330.288



39, 74.632, 336.735



6, 28.930, 334.814

Previews

White Background



This preview shows how the CIELCh color 49, 88.327, 336.881 looks on a white background.

Color Contrast Check

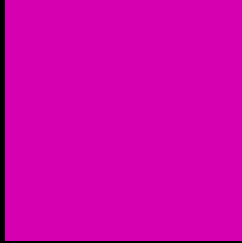
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.327, 336.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

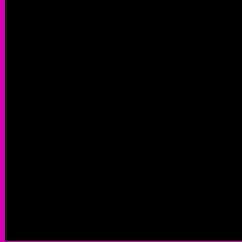
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 88.327, 336.881

Background



This preview shows how black text looks on a background with the CIELCh color 49, 88.327, 336.881.



This preview shows how white text looks on a background with the CIELCh color 49, 88.327, 336.881.

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, 88.416, 336.876

Protanopia

50, 75.342, 287.750

Deuteranopia

50, 28.901, 284.132



Tritanopia
49, 60.544, 27.200

Trichromacy



Original Color
49, 88.416, 336.876



Protanomaly
40, 86.875, 301.686



Deuteranomaly
44, 59.486, 318.464



Tritanomaly
48, 66.201, 2.525

Monochromacy



Original Color
49, 88.416, 336.876



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 46.783, 333.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 88.327, 336.881 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(215, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 177)  
}
```

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(215, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 88.327, 336.881 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(215, 0, 177) }
```

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

```
.border{ border-color:rgb(215, 0, 177) }
```

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

Here you see how a box with a 4 pixel rgb(215, 0, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 88.327, 336.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 177) }
```

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

```
.background{ background-color: rgb(215, 0,  
177) }
```

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