

Converting Colors

CIELCh(49, 83.680, 343.144)

Have a look what the booklet for
CIELCh(49, 83.680, 343.144)
contains.

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Color

CIELCh(49, 83.530, 343.224)

Conversions

Conversions Part 1

Format	Color
Hex	DB009F
RGB	219, 0, 159
RGB Percent	86%, 0%, 62%
CMY	0.1407, 0.9982, 0.3761
CMYK	0.00, 1.00, 0.27, 0.14
HSL	316°, 100%, 43%
HSV	316°, 100%, 86%
XYZ	35.5197, 17.5941, 34.3711
YIQ	83.6070, 79.4850, 95.8770

Conversions

Conversions Part 2

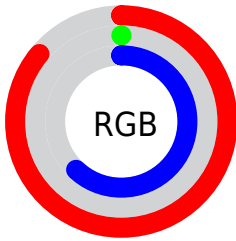
Format	Color
R_{YB}	219, 0, 159
Decimal	14352543
CIE _{Lab}	49.00, 79.98, -24.11
CIE _{LCh}	49, 83.530, 343.224
Yxy	17.5941, 0.4060, 0.2011
Android (android.graphics.Color)	4292542623 (0xFFDB009F)
YUV	83.6070, 37.1687, 118.7397
Hunter-Lab	41.9453, 77.7515, -19.2222

Details

The CIELCh color **49, 83.530, 343.224** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **77, 96.618, 140.210**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 79.739, 337.336**, and **35, 63.919, 346.642** is the 20% darker color. If you saturate the color by 10%, you get **49, 83.534, 343.261**, and if you desaturate by 10%, it is **50, 82.843, 341.566**.

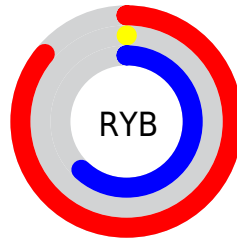
Distribution



Red (86%)

Green (0%)

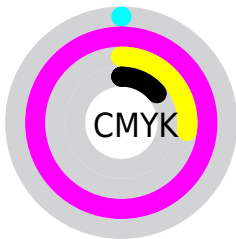
Blue (62%)



Red (86%)

Yellow (0%)

Blue (62%)

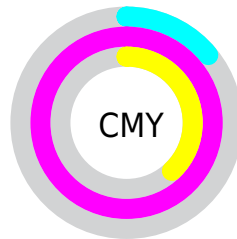


Cyan (0%)

Magenta (100%)

Yellow (27%)

Black (14%)



Cyan (14%)

Magenta (100%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 83.530, 343.224 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, 83.530, 343.224 by changing the saturation by 10% instead.

 49, 83.530,
343.224

 49, 83.530,
343.224

 100, 83.530,
343.224

 39, 83.530,
343.224

 69, 83.530,
343.224


 29, 83.530,
343.224

 79, 83.530,
343.224

 19, 83.530,
343.224

 89, 83.530,
343.224

 9, 83.530, 343.224

 99, 83.530,
343.224

 0, 83.530, 343.224

 49, 83.530,

 49, 83.530,

343.224

343.224

■ 49, 83.534,
343.261

■ 50, 82.843,
341.566

■ 52, 79.883,
340.162

■ 54, 74.344,
338.973

■ 58, 66.542,
337.938

■ 62, 56.999,
337.010

■ 66, 46.273,
336.158

■ 71, 34.859,
335.364

■ 76, 23.136,
334.615

■ 82, 11.378,
333.897

Harmonies

Complementary

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



49, 83.530, 343.224



77, 96.618, 140.210

Rectangle

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



49, 83.530, 343.224



49, 83.530, 33.224



49, 83.530, 163.224



49, 83.530, 213.224

Sweetspot

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



49, 83.526, 343.224



81, 39.702, 335.401



30, 116.477, 307.827



41, 27.038, 335.733



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, 83.526, 343.224



57, 93.523, 343.429



46, 81.455, 27.425



43, 6.604, 333.871



39, 70.355, 342.956



6, 28.509, 339.833

Inverse Universe

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



49, 83.526, 343.224



57, 93.523, 343.429



78, 58.004, 167.402



43, 6.604, 333.871



39, 70.355, 342.956



6, 28.509, 339.833

Previews

White Background



This preview shows how the CIELCh color 49, 83.530, 343.224 looks on a white background.

Color Contrast Check

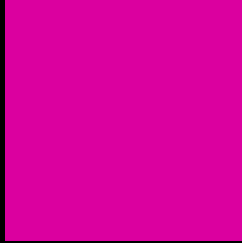
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.530, 343.224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

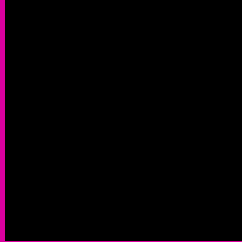
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 83.530, 343.224

Background



This preview shows how black text looks on a background with the CIELCh color 49, 83.530, 343.224.

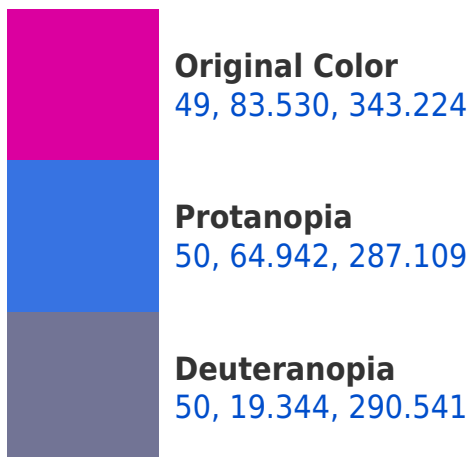


This preview shows how white text looks on a background with the CIELCh color 49, 83.530, 343.224.

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, 66.566, 29.256

Trichromacy



Original Color
49, 83.530, 343.224



Protanomaly
42, 76.865, 307.508



Deuteranomaly
44, 52.826, 326.677



Tritanomaly
48, 68.912, 8.662

Monochromacy



Original Color
49, 83.530, 343.224



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 44.277, 337.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 83.530, 343.224 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(219, 0, 159)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 159)  
}
```

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(219, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 83.530, 343.224 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(219, 0, 159) }
```

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

```
.border{ border-color:rgb(219, 0, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 83.530, 343.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 159) }
```

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

```
.background{ background-color: rgb(219, 0,  
159) }
```

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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