

Converting Colors

CIELCh(50, 83.065, 335.564)

Have a look what the booklet for
CIELCh(50, 83.065, 335.564)
contains.

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Color

CIELCh(50, 83.209, 335.439)

Conversions

Conversions Part 1

Format	Color
Hex	D226B3
RGB	210, 38, 179
RGB Percent	82%, 15%, 70%
CMY	0.1754, 0.8494, 0.2971
CMYK	0.00, 0.82, 0.15, 0.18
HSL	311°, 69%, 49%
HSV	311°, 82%, 82%
XYZ	35.5243, 18.4187, 44.4627
YIQ	105.5020, 57.2510, 80.3150

Conversions

Conversions Part 2

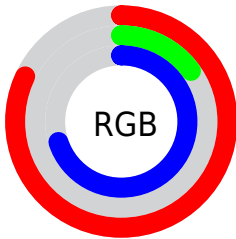
Format	Color
R_{YB}	210, 38, 179
Decimal	13772467
CIE _{Lab}	50.00, 75.68, -34.59
CIE _{LCh}	50, 83.209, 335.439
Yxy	18.4187, 0.3610, 0.1872
Android (android.graphics.Color)	4291962547 (0xFFD226B3)
YUV	105.5020, 36.2345, 91.6447
Hunter-Lab	42.9170, 72.6478, -31.3835

Details

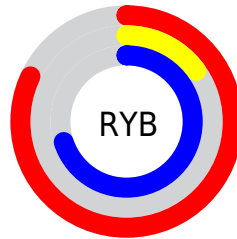
The CIELCh color **50, 83.209, 335.439** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **74, 88.473, 140.787**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 80.957, 331.922**, and **34, 68.831, 335.986** is the 20% darker color. If you saturate the color by 10%, you get **49, 85.989, 336.302**, and if you desaturate by 10%, it is **52, 77.872, 334.655**.

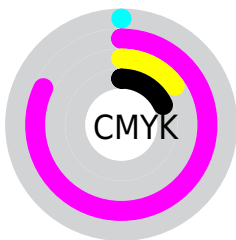
Distribution



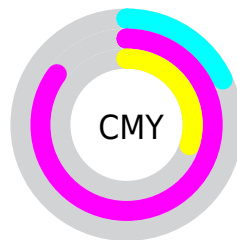
- Red (82%)
- Green (15%)
- Blue (70%)



- Red (82%)
- Yellow (15%)
- Blue (70%)



- Cyan (0%)
- Magenta (82%)
- Yellow (15%)
- Black (18%)





- Cyan (18%)
- Magenta (85%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 83.209, 335.439 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 50, 83.209, 335.439 by changing the saturation by 10% instead.

 50, 83.209,
335.439


 50, 83.209,
335.439

 100, 83.209,
335.439

 40, 83.209,
335.439


 70, 83.209,
335.439

 30, 83.209,
335.439


 80, 83.209,
335.439


 20, 83.209,
335.439

 90, 83.209,
335.439

 10, 83.209,
335.439

 0, 83.209, 335.439

 50, 83.209,
335.439

 50, 83.209,
335.439

49, 85.989,
336.302

52, 77.872,
334.655

48, 86.720,
337.085

55, 70.221,
333.920

59, 60.721,
333.215

63, 49.910,
332.528

68, 38.289,
331.857

73, 26.260,
331.199

78, 14.121,
330.554

83, 2.075, 329.811

89, 9.751, 149.406

Harmonies

Complementary

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



50, 83.209, 335.439



74, 88.473, 140.787

Rectangle

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



50, 83.209, 335.439



50, 83.209, 25.439



50, 83.209, 155.439



50, 83.209, 205.439

Sweetspot

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



50, 83.206, 335.439



85, 35.334, 331.431



32, 101.447, 305.988



43, 24.093, 331.664



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 83.206, 335.439



58, 100.073, 337.005



47, 67.917, 9.565



41, 6.789, 330.404



38, 73.629, 336.921



5, 27.064, 334.745

Inverse Universe

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



50, 83.206, 335.439



58, 100.073, 337.005



75, 57.351, 162.978



41, 6.789, 330.404



38, 73.629, 336.921



5, 27.064, 334.745

Previews

White Background



This preview shows how the CIELCh color 50, 83.209, 335.439 looks on a white background.

Color Contrast Check

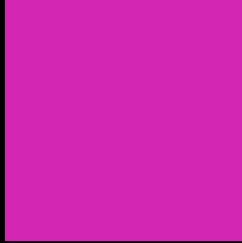
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 83.209, 335.439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

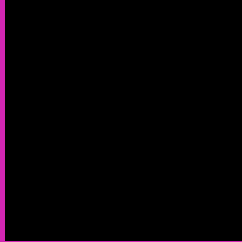
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 83.209, 335.439

Background



This preview shows how black text looks on a background with the CIELCh color 50, 83.209, 335.439.

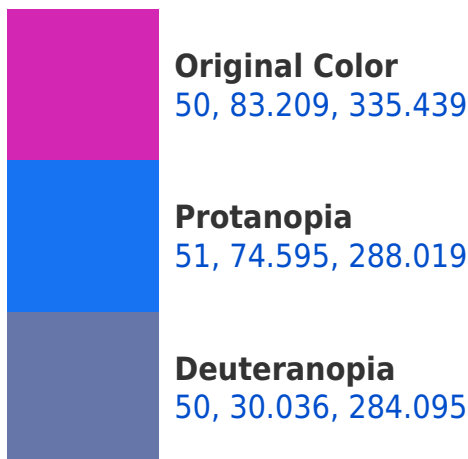


This preview shows how white text looks on a background with the CIELCh color 50, 83.209, 335.439.

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
50, 54.874, 25.112

Trichromacy



Original Color
50, 83.209, 335.439



Protanomaly
45, 78.454, 300.487



Deuteranomaly
47, 52.152, 315.210



Tritanomaly
49, 59.417, 1.100

Monochromacy



Original Color
50, 83.209, 335.439



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 38.545, 332.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 83.209, 335.439 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(210, 38, 179)` looks like.

```
.text, #text, p{  
    color:rgb(210, 38, 179)  
}
```

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(210, 38, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 38, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 83.209, 335.439 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(210, 38, 179) }
```

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

```
.border{ border-color:rgb(210, 38, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 38, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 38, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 38, 179);  
box-shadow:4px 4px 4px 4px rgb(210, 38,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 83.209, 335.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 38, 179) }
```

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

```
.background{ background-color: rgb(210, 38,  
179) }
```

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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