

Converting Colors

CIELCh(50, 83.980, 336.678)

Have a look what the booklet for
CIELCh(50, 83.980, 336.678)
contains.

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Color

CIELCh(50, 83.935, 336.661)

Conversions

Conversions Part 1

Format	Color
Hex	D521B1
RGB	213, 33, 177
RGB Percent	84%, 13%, 69%
CMY	0.1646, 0.8703, 0.3057
CMYK	0.00, 0.84, 0.17, 0.16
HSL	312°, 73%, 48%
HSV	312°, 84%, 84%
XYZ	35.9363, 18.4187, 43.2740
YIQ	103.2360, 61.0560, 82.9440

Conversions

Conversions Part 2

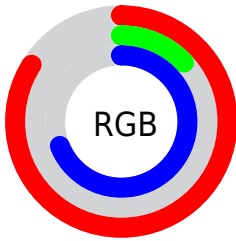
Format	Color
R_{YB}	213, 33, 177
Decimal	13967793
CIE _{Lab}	50.00, 77.07, -33.25
CIE _{LCh}	50, 83.935, 336.661
Yxy	18.4187, 0.3681, 0.1887
Android (android.graphics.Color)	4292157873 (0xFFD521B1)
YUV	103.2360, 36.3657, 96.2630
Hunter-Lab	42.9170, 74.3614, -29.7414

Details

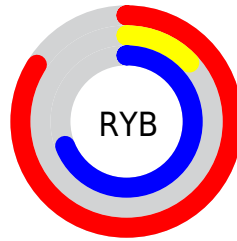
The CIELCh color **50, 83.935, 336.661** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **75, 90.187, 140.857**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 81.661, 332.395**, and **35, 68.311, 337.679** is the 20% darker color. If you saturate the color by 10%, you get **49, 85.938, 337.671**, and if you desaturate by 10%, it is **52, 79.349, 335.769**.

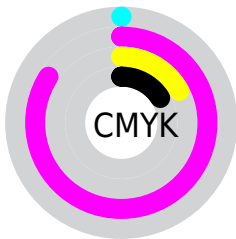
Distribution



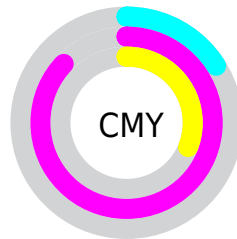
- Red (84%)
- Green (13%)
- Blue (69%)



- Red (84%)
- Yellow (13%)
- Blue (69%)



- Cyan (0%)
- Magenta (84%)
- Yellow (17%)
- Black (16%)





- Cyan (16%)
- Magenta (87%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 83.935, 336.661 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, 83.935, 336.661 by changing the saturation by 10% instead.


 50, 83.935,
336.661


 50, 83.935,
336.661


 100, 83.935,
336.661


 40, 83.935,
336.661


 70, 83.935,
336.661

 30, 83.935,
336.661


 80, 83.935,
336.661


 20, 83.935,
336.661

 90, 83.935,
336.661

 10, 83.935,
336.661

 0, 83.935, 336.661

 50, 83.935,
336.661

 50, 83.935,
336.661

49, 85.938,
337.671

52, 79.349,
335.769

48, 86.282,
338.276

55, 72.334,
334.957

58, 63.315,
334.195

63, 52.834,
333.467

67, 41.414,
332.764

72, 29.492,
332.083

77, 17.392,
331.419

83, 5.342, 330.746

88, 6.513, 150.251

Harmonies

Complementary

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



50, 83.935, 336.661



75, 90.187, 140.857

Rectangle

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



50, 83.935, 336.661



50, 83.935, 26.661



50, 83.935, 156.661



50, 83.935, 206.661

Sweetspot

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



50, 83.932, 336.661



85, 34.858, 332.135



32, 104.855, 306.687



43, 23.770, 332.376



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, 83.932, 336.661



58, 98.667, 338.403



47, 70.296, 13.654



42, 6.830, 331.087



39, 73.364, 338.091



6, 28.443, 335.878

Inverse Universe

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



50, 83.932, 336.661



58, 98.667, 338.403



76, 56.929, 164.883



42, 6.830, 331.087



39, 73.364, 338.091



6, 28.443, 335.878

Previews

White Background



This preview shows how the CIELCh color 50, 83.935, 336.661 looks on a white background.

Color Contrast Check

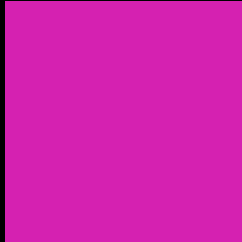
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 83.935, 336.661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

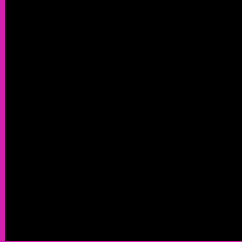
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 83.935, 336.661

Background



This preview shows how black text looks on a background with the CIELCh color 50, 83.935, 336.661.



This preview shows how white text looks on a background with the CIELCh color 50, 83.935, 336.661.

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

50, 83.935, 336.661

Protanopia

51, 73.979, 287.697

Deuteranopia

50, 28.820, 284.696



Tritanopia
50, 57.282, 26.232

Trichromacy



Original Color
50, 83.935, 336.661



Protanomaly
44, 78.512, 300.843



Deuteranomaly
47, 52.630, 317.090



Tritanomaly
49, 61.232, 2.362

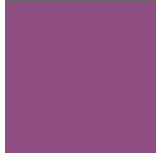
Monochromacy



Original Color
50, 83.935, 336.661



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 39.045, 333.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 83.935, 336.661 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(213, 33, 177)` looks like.

```
.text, #text, p{  
    color:rgb(213, 33, 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(213, 33, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 33, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 83.935, 336.661 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(213, 33, 177) }
```

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

```
.border{ border-color:rgb(213, 33, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 33, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 33, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 33, 177);  
box-shadow:4px 4px 4px 4px rgb(213, 33,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 83.935, 336.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 33, 177) }
```

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

```
.background{ background-color: rgb(213, 33,  
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](#).

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