

Converting Colors

CIELCh(51, 90.071, 335.702)

Have a look what the booklet for
CIELCh(51, 90.071, 335.702)
contains.

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Color

CIELCh(51, 89.973, 335.899)

Conversions

Conversions Part 1

Format	Color
Hex	DD11BA
RGB	221, 17, 186
RGB Percent	87%, 7%, 73%
CMY	0.1340, 0.9352, 0.2712
CMYK	0.00, 0.93, 0.16, 0.13
HSL	310°, 86%, 47%
HSV	310°, 93%, 87%
XYZ	38.8043, 19.2686, 48.0402
YIQ	97.2620, 67.3350, 95.8070

Conversions

Conversions Part 2

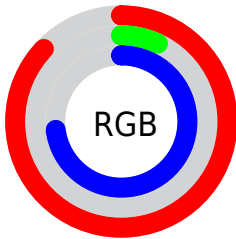
Format	Color
R _Y B	221, 17, 186
Decimal	14487994
CIE Lab	51.00, 82.13, -36.74
CIE LCh	51, 89.973, 335.899
Yxy	19.2686, 0.3657, 0.1816
Android (android.graphics.Color)	4292678074 (0xFFDD11BA)
YUV	97.2620, 43.7478, 108.5182
Hunter-Lab	43.8960, 80.9766, -34.1603

Details

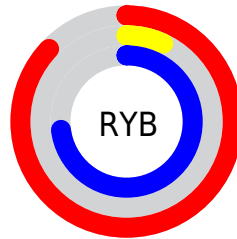
The CIELCh color **51, 89.973, 335.899** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **77, 99.354, 138.834**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 87.196, 330.005**, and **36, 71.316, 336.862** is the 20% darker color. If you saturate the color by 10%, you get **50, 90.572, 336.570**, and if you desaturate by 10%, it is **52, 87.304, 335.074**.

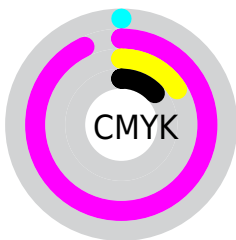
Distribution



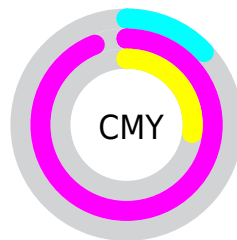
- Red (87%)
- Green (7%)
- Blue (73%)



- Red (87%)
- Yellow (7%)
- Blue (73%)



- Cyan (0%)
- Magenta (93%)
- Yellow (16%)
- Black (13%)





- Cyan (13%)
- Magenta (94%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 89.973, 335.899 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 51, 89.973, 335.899 by changing the saturation by 10% instead.


 51, 89.973,
335.899


 51, 89.973,
335.899


 100, 89.973,
335.899


 41, 89.973,
335.899


 71, 89.973,
335.899

 31, 89.973,
335.899

 81, 89.973,
335.899

 21, 89.973,
335.899

 91, 89.973,
335.899

 11, 89.973,
335.899

 1, 89.973, 335.899

 0, 89.973, 335.899

51, 89.973,
335.899

51, 89.973,
335.899

50, 90.572,
336.570

52, 87.304,
335.074

55, 81.970,
334.320

58, 74.174,
333.607

61, 64.389,
332.919

66, 53.177,
332.244

70, 41.069,
331.581

76, 28.498,
330.929

81, 15.786,

330.288

■ 87, 3.155, 329.593

Harmonies

Complementary

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



51, 89.973, 335.899



77, 99.354, 138.834

Rectangle

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



51, 89.973, 335.899



51, 89.973, 25.899



51, 89.973, 155.899



51, 89.973, 205.899

Sweetspot

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



51, 89.970, 335.899



83, 39.812, 331.300



30, 114.847, 306.748



42, 27.437, 331.585



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 89.970, 335.899



58, 100.864, 336.651



47, 75.220, 14.752



43, 7.107, 330.090



39, 75.778, 336.410



6, 30.635, 334.726

Inverse Universe

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



51, 89.970, 335.899



58, 100.864, 336.651



78, 63.862, 160.676



43, 7.107, 330.090



39, 75.778, 336.410



6, 30.635, 334.726

Previews

White Background



This preview shows how the CIELCh color 51, 89.973, 335.899 looks on a white background.

Color Contrast Check

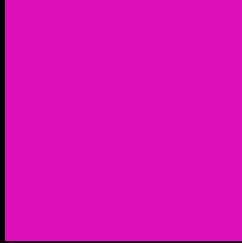
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 89.973, 335.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

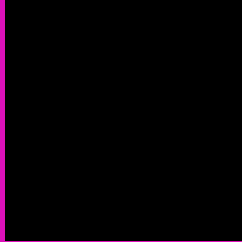
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 89.973, 335.899

Background



This preview shows how black text looks on a background with the CIELCh color 51, 89.973, 335.899.

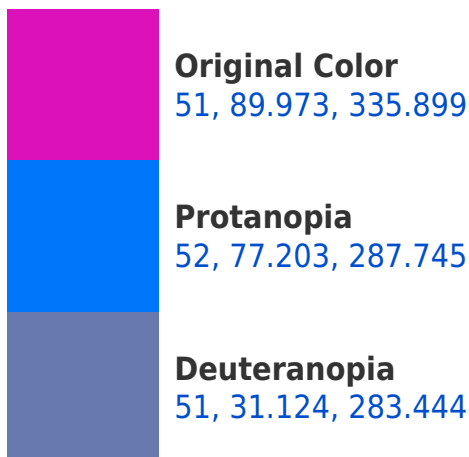


This preview shows how white text looks on a background with the CIELCh color 51, 89.973, 335.899.

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
51, 60.649, 26.908

Trichromacy



Original Color
51, 89.973, 335.899



Protanomaly
43, 86.238, 300.520



Deuteranomaly
46, 58.818, 316.761



Tritanomaly
50, 65.958, 2.122

Monochromacy



Original Color
51, 89.973, 335.899



Achromatopsia
41, 0.006, 296.813



Achromatomaly
40, 44.684, 332.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 89.973, 335.899 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(221, 17, 186)` looks like.

```
.text, #text, p{  
    color:rgb(221, 17, 186)  
}
```

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(221, 17, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 17, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 89.973, 335.899 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(221, 17, 186) }
```

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

```
.border{ border-color:rgb(221, 17, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 17, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 17, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 17, 186);  
box-shadow:4px 4px 4px 4px rgb(221, 17,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 89.973, 335.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 17, 186) }
```

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

```
.background{ background-color: rgb(221, 17,  
186) }
```

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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