

Converting Colors

CIELCh(51, 81.913, 335.701)

Have a look what the booklet for
CIELCh(51, 81.913, 335.701)
contains.

CIELCh(51, 81.792, 335.731)	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(51, 81.792, 335.731)

Conversions

Conversions Part 1

Format	Color
Hex	D42DB4
RGB	212, 45, 180
RGB Percent	83%, 18%, 71%
CMY	0.1673, 0.8217, 0.2929
CMYK	0.00, 0.79, 0.15, 0.17
HSL	312°, 66%, 51%
HSV	312°, 79%, 83%
XYZ	36.4778, 19.2686, 45.1454
YIQ	110.3230, 56.1970, 77.3890

Conversions

Conversions Part 2

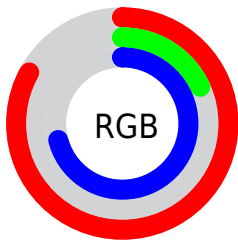
Format	Color
R_{YB}	212, 45, 180
Decimal	13905332
CIE _{Lab}	51.00, 74.56, -33.62
CIE _{LCh}	51, 81.792, 335.731
Yxy	19.2686, 0.3616, 0.1910
Android (android.graphics.Color)	4292095412 (0xFFD42DB4)
YUV	110.3230, 34.3508, 89.1707
Hunter-Lab	43.8960, 71.5161, -30.2502

Details

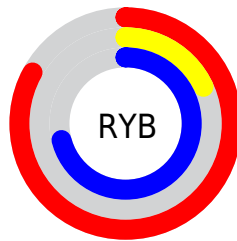
The CIELCh color **51, 81.792, 335.731** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **75, 86.186, 141.602**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 79.374, 331.707**, and **35, 69.260, 336.241** is the 20% darker color. If you saturate the color by 10%, you get **49, 85.339, 336.624**, and if you desaturate by 10%, it is **53, 75.707, 334.922**.

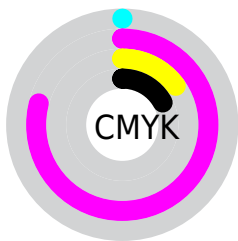
Distribution



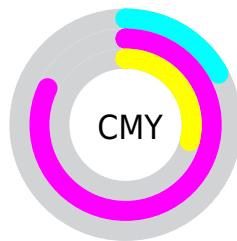
- Red (83%)
- Green (18%)
- Blue (71%)



- Red (83%)
- Yellow (18%)
- Blue (71%)



- Cyan (0%)
- Magenta (79%)
- Yellow (15%)
- Black (17%)





- Cyan (17%)
- Magenta (82%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 81.792, 335.731 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, 81.792, 335.731 by changing the saturation by 10% instead.


 51, 81.792,
335.731


 51, 81.792,
335.731


 100, 81.792,
335.731


 41, 81.792,
335.731


 71, 81.792,
335.731

 31, 81.792,
335.731

 81, 81.792,
335.731

 21, 81.792,
335.731

 91, 81.792,
335.731

 11, 81.792,
335.731

 1, 81.792, 335.731

 0, 81.792, 335.731

■ 51, 81.792,
335.731

■ 51, 81.792,
335.731

■ 49, 85.339,
336.624

■ 53, 75.707,
334.922

■ 48, 86.507,
337.630

■ 57, 67.424,
334.165

■ 48, 86.601,
337.776

■ 61, 57.451,
333.442

■ 65, 46.331,
332.743

■ 70, 34.538,
332.062

■ 75, 22.444,
331.399

■ 80, 10.316,
330.746

■ 86, 1.671, 150.357

■ 91, 13.406,
149.603

Harmonies

Complementary

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



51, 81.792, 335.731



75, 86.186, 141.602

Rectangle

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



51, 81.792, 335.731



51, 81.792, 25.731



51, 81.792, 155.731



51, 81.792, 205.731

Sweetspot

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



51, 81.789, 335.731



85, 33.653, 331.773



34, 98.692, 305.921



43, 23.112, 332.013



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, 81.789, 335.731



58, 99.050, 337.257



48, 66.838, 9.713



42, 6.869, 330.802



39, 73.807, 337.604



6, 28.614, 335.496

Inverse Universe

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



51, 81.789, 335.731



58, 99.050, 337.257



76, 55.416, 164.774



42, 6.869, 330.802



39, 73.807, 337.604



6, 28.614, 335.496

Previews

White Background



This preview shows how the CIELCh color 51, 81.792, 335.731 looks on a white background.

Color Contrast Check

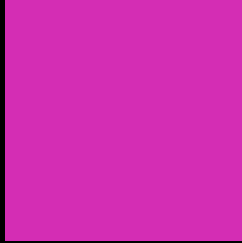
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 81.792, 335.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

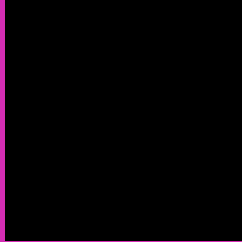
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 81.792, 335.731

Background



This preview shows how black text looks on a background with the CIELCh color 51, 81.792, 335.731.

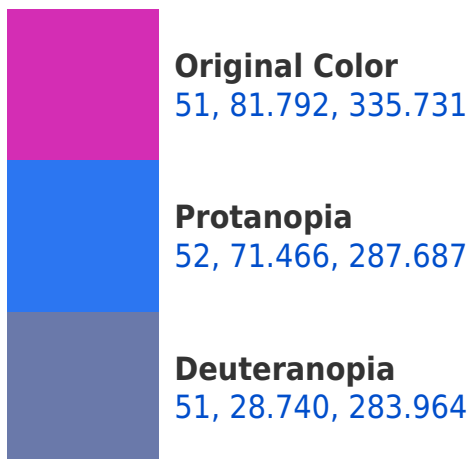


This preview shows how white text looks on a background with the CIELCh color 51, 81.792, 335.731.

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, 54.483, 24.298

Trichromacy



Original Color
51, 81.792, 335.731



Protanomaly
47, 74.566, 301.425



Deuteranomaly
48, 49.742, 315.687



Tritanomaly
50, 59.066, 1.039

Monochromacy



Original Color
51, 81.792, 335.731



Achromatopsia
47, 0.006, 296.813



Achromatomaly
45, 36.694, 333.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 81.792, 335.731 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(212, 45, 180)` looks like.

```
.text, #text, p{  
    color:rgb(212, 45, 180)  
}
```

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(212, 45, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 45, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 81.792, 335.731 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(212, 45, 180) }
```

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

```
.border{ border-color:rgb(212, 45, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 45, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 45, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 45, 180);  
box-shadow:4px 4px 4px 4px rgb(212, 45,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 81.792, 335.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 45, 180) }
```

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

```
.background{ background-color: rgb(212, 45,  
180) }
```

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