

Converting Colors

CIELCh(51, 71.831, 337.488)

Have a look what the booklet for
CIELCh(51, 71.831, 337.488)
contains.

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Color

CIELCh(51, 71.885, 337.457)

Conversions

Conversions Part 1

Format	Color
Hex	CD3EAA
RGB	205, 62, 170
RGB Percent	80%, 24%, 67%
CMY	0.1969, 0.7577, 0.3340
CMYK	0.00, 0.70, 0.17, 0.20
HSL	315°, 59%, 52%
HSV	315°, 70%, 80%
XYZ	34.0717, 19.2686, 39.8633
YIQ	117.0690, 50.5600, 63.9040

Conversions

Conversions Part 2

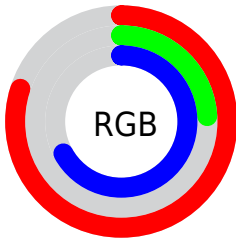
Format	Color
R_{YB}	205, 62, 170
Decimal	13450922
CIE _{Lab}	51.00, 66.39, -27.56
CIE _{LCh}	51, 71.885, 337.457
Yxy	19.2686, 0.3656, 0.2067
Android (android.graphics.Color)	4291641002 (0xFFCD3EAA)
YUV	117.0690, 26.0950, 77.1155
Hunter-Lab	43.8960, 61.7322, -23.1158

Details

The CIELCh color **51, 71.885, 337.457** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **73, 73.814, 144.685**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 70.167, 334.765**, and **33, 65.615, 338.184** is the 20% darker color. If you saturate the color by 10%, you get **49, 77.302, 338.496**, and if you desaturate by 10%, it is **54, 64.316, 336.533**.

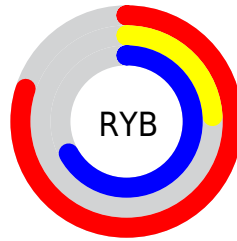
Distribution



Red (80%)

Green (24%)

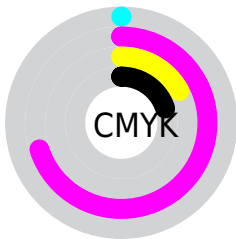
Blue (67%)



Red (80%)

Yellow (24%)

Blue (67%)

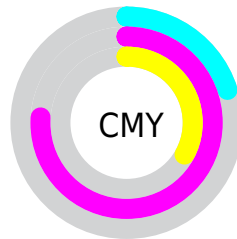


Cyan (0%)

Magenta (70%)

Yellow (17%)

Black (20%)



Cyan (20%)


Magenta (76%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 71.885, 337.457 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, 71.885, 337.457 by changing the saturation by 10% instead.


 51, 71.885,
337.457


 51, 71.885,
337.457


 100, 71.885,
337.457


 41, 71.885,
337.457


 71, 71.885,
337.457

 31, 71.885,
337.457

 81, 71.885,
337.457

 21, 71.885,
337.457

 91, 71.885,
337.457

 11, 71.885,
337.457

 1, 71.885, 337.457

 0, 71.885, 337.457

51, 71.885,
337.457

51, 71.885,
337.457

49, 77.302,
338.496

54, 64.316,
336.533

47, 80.276,
339.697

58, 55.095,
335.687

46, 81.114,
341.089

62, 44.745,
334.896

46, 81.124,
341.113

67, 33.729,
334.148

72, 22.410,
333.434

77, 11.048,
332.743

82, 0.185, 153.896

88, 11.185,
151.548

■ 93, 21.892,
150.954

Harmonies

Complementary

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



51, 71.885, 337.457



73, 73.814, 144.685

Rectangle

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



51, 71.885, 337.457



51, 71.885, 27.457



51, 71.885, 157.457



51, 71.885, 207.457

Sweetspot

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



51, 71.882, 337.457



87, 28.371, 333.535



38, 85.344, 305.901



45, 19.212, 333.733



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 71.882, 337.457



59, 93.397, 339.102



49, 59.547, 10.511



40, 6.356, 332.713



37, 69.498, 340.870



5, 23.769, 337.645

Inverse Universe

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



51, 71.882, 337.457



59, 93.397, 339.102



74, 47.382, 170.128



40, 6.356, 332.713



37, 69.498, 340.870



5, 23.769, 337.645

Previews

White Background



This preview shows how the CIELCh color 51, 71.885, 337.457 looks on a white background.

Color Contrast Check

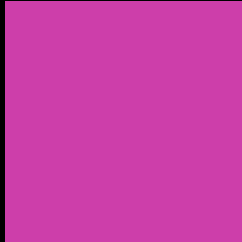
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.885, 337.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

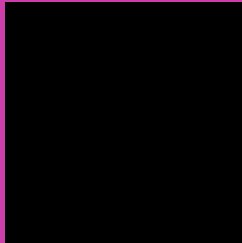
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 71.885, 337.457

Background



This preview shows how black text looks on a background with the CIELCh color 51, 71.885, 337.457.

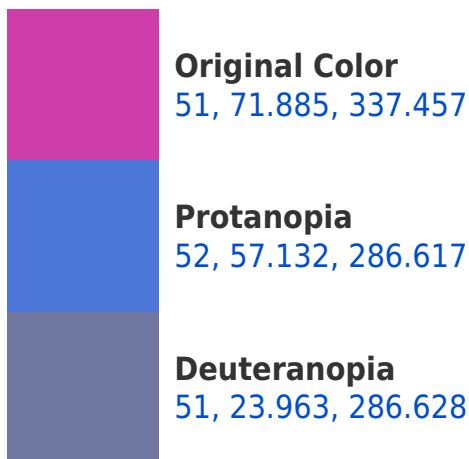


This preview shows how white text looks on a background with the CIELCh color 51, 71.885, 337.457.

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, 49.122, 22.829

Trichromacy



Original Color
51, 71.885, 337.457



Protanomaly
48, 60.260, 304.106



Deuteranomaly
49, 41.421, 318.121



Tritanomaly
51, 52.777, 1.580

Monochromacy



Original Color
51, 71.885, 337.457



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 30.288, 334.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 71.885, 337.457 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(205, 62, 170)` looks like.

```
.text, #text, p{  
    color:rgb(205, 62, 170)  
}
```

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(205, 62, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 62, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 71.885, 337.457 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(205, 62, 170) }
```

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

```
.border{ border-color:rgb(205, 62, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 62, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 62, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 62, 170);  
box-shadow:4px 4px 4px 4px rgb(205, 62,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 71.885, 337.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 62, 170) }
```

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

```
.background{ background-color: rgb(205, 62,  
170) }
```

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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