

Converting Colors

CIELCh(51, 83.289, 327.791)

Have a look what the booklet for
CIELCh(51, 83.289, 327.791)
contains.

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Color

CIELCh(51, 83.620, 327.788)

Conversions

Conversions Part 1

Format	Color
Hex	C73AC7
RGB	199, 58, 199
RGB Percent	78%, 23%, 78%
CMY	0.2199, 0.7729, 0.2199
CMYK	0.00, 0.71, 0.00, 0.22
HSL	300°, 56%, 50%
HSV	300°, 71%, 78%
XYZ	35.3410, 19.2686, 55.8435
YIQ	116.2330, 38.7750, 73.7430

Conversions

Conversions Part 2

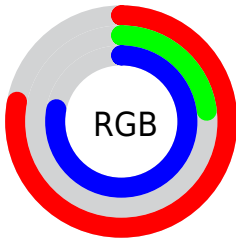
Format	Color
R _Y B	199, 58, 199
Decimal	13056711
CIE Lab	51.00, 70.75, -44.57
CIE LCh	51, 83.620, 327.788
Yxy	19.2686, 0.3200, 0.1745
Android (android.graphics.Color)	4291246791 (0xFFC73AC7)
YUV	116.2330, 40.8041, 72.5867
Hunter-Lab	43.8960, 66.8936, -44.7001

Details

The CIELCh color **51, 83.620, 327.788** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **71, 85.162, 138.036**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 82.642, 327.221**, and **33, 75.573, 327.427** is the 20% darker color. If you saturate the color by 10%, you get **49, 90.005, 328.022**, and if you desaturate by 10%, it is **54, 75.006, 327.467**.

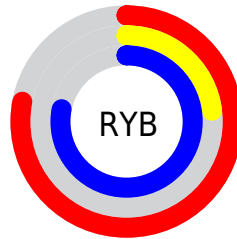
Distribution



Red (78%)

Green (23%)

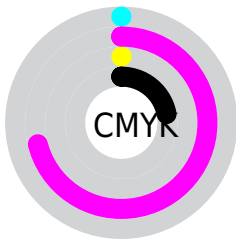
Blue (78%)



Red (78%)

Yellow (23%)

Blue (78%)

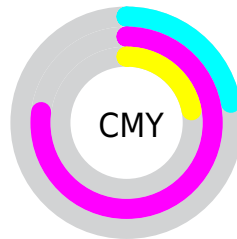


Cyan (0%)

Magenta (71%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (77%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 83.620, 327.788 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, 83.620, 327.788 by changing the saturation by 10% instead.


 51, 83.620,
327.788


 51, 83.620,
327.788


 100, 83.620,
327.788


 41, 83.620,
327.788


 71, 83.620,
327.788

 31, 83.620,
327.788

 81, 83.620,
327.788

 21, 83.620,
327.788

 91, 83.620,
327.788

 11, 83.620,
327.788

 1, 83.620, 327.788

 0, 83.620, 327.788

51, 83.620,
327.788

51, 83.620,
327.788

49, 90.005,
328.022

54, 75.006,
327.467

48, 93.970,
328.165

57, 64.585,
327.068

47, 95.857,
328.232

61, 52.855,
326.608

65, 40.294,
326.103

70, 27.301,
325.569

75, 14.182,
325.017

80, 1.151, 324.267

85, 11.650,
143.977

■ 90, 24.136,
143.447

Harmonies

Complementary

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



51, 83.620, 327.788



71, 85.162, 138.036

Rectangle

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



51, 83.620, 327.788



51, 83.620, 17.788



51, 83.620, 147.788



51, 83.620, 197.788

Sweetspot

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



51, 83.618, 327.788



87, 33.585, 325.592



35, 84.405, 301.472



45, 22.731, 325.744



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, 83.618, 327.788



62, 111.439, 328.109



48, 61.940, 351.684



39, 7.382, 324.932



39, 82.760, 328.232



4, 26.742, 327.025

Inverse Universe

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



46, 64.455, 30.675



55, 94.343, 36.073



72, 59.738, 154.235



39, 4.279, 19.921



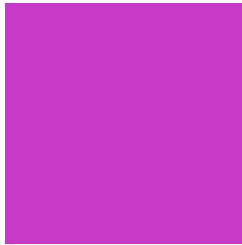
34, 74.644, 39.776



3, 15.885, 19.404

Previews

White Background



This preview shows how the CIELCh color 51, 83.620, 327.788 looks on a white background.

Color Contrast Check

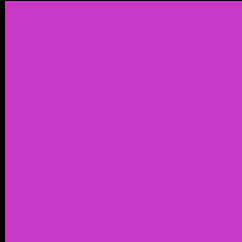
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.620, 327.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

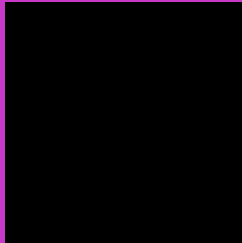
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 83.620, 327.788

Background



This preview shows how black text looks on a background with the CIELCh color 51, 83.620, 327.788.

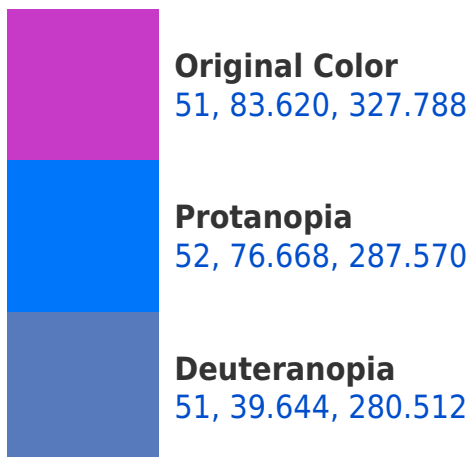


This preview shows how white text looks on a background with the CIELCh color 51, 83.620, 327.788.

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, 41.777, 19.979

Trichromacy



Original Color
51, 83.620, 327.788



Protanomaly
46, 79.212, 296.178



Deuteranomaly
49, 55.841, 305.705



Tritanomaly
50, 51.288, 350.894

Monochromacy



Original Color
51, 83.620, 327.788



Achromatopsia
49, 0.007, 296.813



Achromatomaly
47, 35.343, 326.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 83.620, 327.788 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(199, 58, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 58, 199)  
}
```

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(199, 58, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 58, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 83.620, 327.788 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(199, 58, 199) }
```

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

```
.border{ border-color:rgb(199, 58, 199) }
```

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

Here you see how a box with a 4 pixel rgb(199, 58, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 58, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 58, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 58,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 83.620, 327.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 58, 199) }
```

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

```
.background{ background-color: rgb(199, 58,  
199) }
```

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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