

Converting Colors

CIELCh(51, 98.104, 321.952)

Have a look what the booklet for
CIELCh(51, 98.104, 321.952)
contains.

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Color

CIELCh(51, 98.301, 321.816)

Conversions

Conversions Part 1

Format	Color
Hex	C231E3
RGB	194, 49, 227
RGB Percent	76%, 19%, 89%
CMY	0.2384, 0.8069, 0.1091
CMYK	0.15, 0.78, 0.00, 0.11
HSL	289°, 76%, 54%
HSV	289°, 78%, 89%
XYZ	37.2982, 19.2686, 74.5628
YIQ	112.6470, 29.2820, 86.0980

Conversions

Conversions Part 2

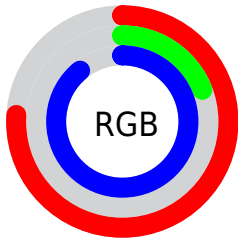
Format	Color
RYB	194, 49, 227
Decimal	12726755
CIELab	51.00, 77.27, -60.77
CIELCh	51, 98.301, 321.816
Yxy	19.2686, 0.2844, 0.1469
Android (android.graphics.Color)	4290916835 (0xFFC231E3)
YUV	112.6470, 56.3760, 71.3466
Hunter-Lab	43.8960, 74.8522, -69.9842

Details

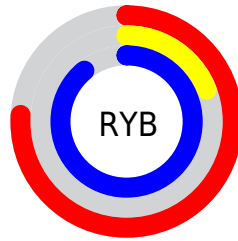
The CIELCh color **51, 98.301, 321.816** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **80, 97.357, 134.656**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 85.566, 327.102**, and **34, 87.414, 320.378** is the 20% darker color. If you saturate the color by 10%, you get **49, 104.198, 321.622**, and if you desaturate by 10%, it is **54, 89.680, 321.804**.

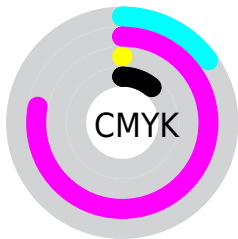
Distribution



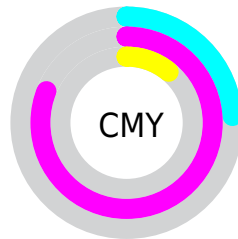
- Red (76%)
- Green (19%)
- Blue (89%)



- Red (76%)
- Yellow (19%)
- Blue (89%)



- Cyan (15%)
- Magenta (78%)
- Yellow (0%)
- Black (11%)





- Cyan (24%)
- Magenta (81%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 98.301, 321.816 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, 98.301, 321.816 by changing the saturation by 10% instead.


 51, 98.301,
321.816


 51, 98.301,
321.816


 100, 98.301,
321.816


 41, 98.301,
321.816


 71, 98.301,
321.816

 31, 98.301,
321.816

 81, 98.301,
321.816

 21, 98.301,
321.816

 91, 98.301,
321.816

 11, 98.301,
321.816

 1, 98.301, 321.816

 0, 98.301, 321.816

51, 98.301,
321.816

51, 98.301,
321.816

49, 104.198,
321.622

54, 89.680,
321.804

47, 107.327,
321.209

58, 78.862,
321.626

47, 107.737,
321.132

63, 66.483,
321.327


68, 53.138,
320.946

74, 39.301,
320.517

79, 25.315,
320.063

85, 11.412,
319.598

91, 2.262, 139.278

 97, 15.620,
138.764

Harmonies

Complementary

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



51, 98.301, 321.816



80, 97.357, 134.656

Rectangle

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



51, 98.301, 321.816



51, 98.301, 11.816



51, 98.301, 141.816



51, 98.301, 191.816

Sweetspot

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



51, 98.299, 321.816



85, 34.987, 320.284



42, 84.605, 296.714



43, 24.248, 320.448



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, 98.299, 321.816



53, 116.126, 321.383



54, 80.193, 341.442



45, 7.858, 319.652



37, 89.920, 321.237



7, 37.136, 322.061

Inverse Universe

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



51, 72.427, 20.498



54, 91.030, 28.529



80, 83.908, 145.023



45, 4.953, 5.184



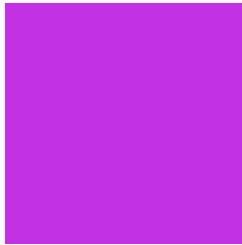
37, 71.700, 30.383



7, 26.681, 14.030

Previews

White Background



This preview shows how the CIELCh color 51, 98.301, 321.816 looks on a white background.

Color Contrast Check

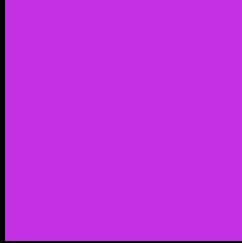
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.301, 321.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

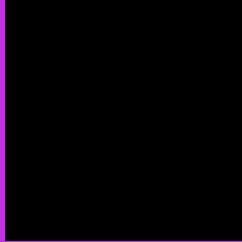
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 98.301, 321.816

Background



This preview shows how black text looks on a background with the CIELCh color 51, 98.301, 321.816.

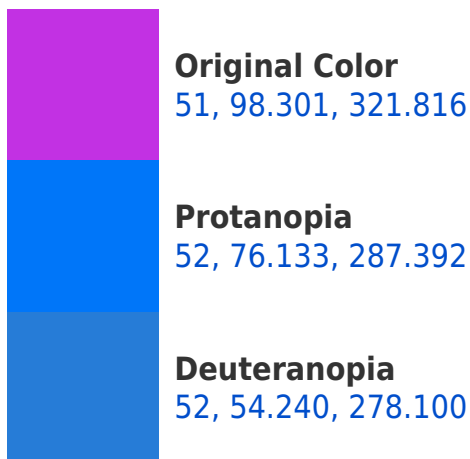


This preview shows how white text looks on a background with the CIELCh color 51, 98.301, 321.816.

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, 34.605, 17.578

Trichromacy



Original Color
51, 98.301, 321.816



Protanomaly
46, 86.553, 297.603



Deuteranomaly
47, 71.557, 298.352



Tritanomaly
50, 53.133, 340.589

Monochromacy



Original Color
51, 98.301, 321.816



Achromatopsia
48, 0.006, 296.813



Achromatomaly
46, 42.550, 321.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 98.301, 321.816 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(194, 49, 227)` looks like.

```
.text, #text, p{  
    color:rgb(194, 49, 227)  
}
```

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(194, 49, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 49, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 98.301, 321.816 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(194, 49, 227) }
```

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

```
.border{ border-color:rgb(194, 49, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 49, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 49, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 49, 227);  
box-shadow:4px 4px 4px 4px rgb(194, 49,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 98.301, 321.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 49, 227) }
```

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

```
.background{ background-color: rgb(194, 49,  
227) }
```

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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