

Converting Colors

CIELCh(51, 99.934, 312.863)

Have a look what the booklet for
CIELCh(51, 99.934, 312.863)
contains.

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Color

CIELCh(51, 99.935, 312.866)

Conversions

Conversions Part 1

Format	Color
Hex	A348F9
RGB	163, 72, 249
RGB Percent	64%, 28%, 98%
CMY	0.3607, 0.7175, 0.0234
CMYK	0.35, 0.71, 0.00, 0.02
HSL	271°, 94%, 63%
HSV	271°, 71%, 98%
XYZ	34.5319, 19.2686, 91.5439
YIQ	119.3870, -2.5810, 74.3390

Conversions

Conversions Part 2

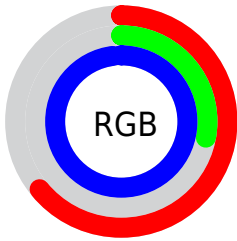
Format	Color
RYB	163, 72, 249
Decimal	10701049
CIELab	51.00, 67.98, -73.25
CIELCh	51, 99.935, 312.866
Yxy	19.2686, 0.2376, 0.1326
Android (android.graphics.Color)	4288891129 (0xFFA348F9)
YUV	119.3870, 63.8992, 38.2486
Hunter-Lab	43.8960, 63.6035, -92.9204

Details

The CIELCh color **51, 99.935, 312.866** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **90, 90.061, 126.801**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 74.958, 319.396**, and **31, 99.586, 312.801** is the 20% darker color. If you saturate the color by 10%, you get **46, 110.685, 312.919**, and if you desaturate by 10%, it is **57, 87.081, 312.565**.

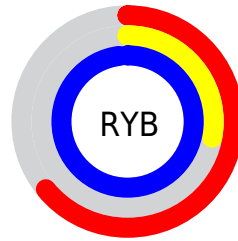
Distribution



Red (64%)

Green (28%)

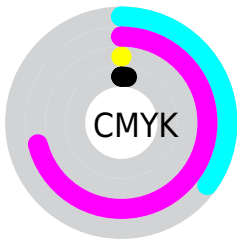
Blue (98%)



Red (64%)

Yellow (28%)

Blue (98%)

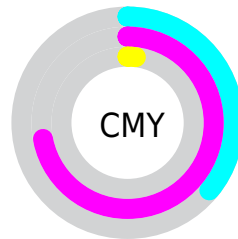


Cyan (35%)

Magenta (71%)

Yellow (0%)

Black (2%)



Cyan (36%)


Magenta (72%)


Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 99.935, 312.866 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, 99.935, 312.866 by changing the saturation by 10% instead.


 51, 99.935,
312.866


 51, 99.935,
312.866


 100, 99.935,
312.866

 41, 99.935,
312.866

 71, 99.935,
312.866

 31, 99.935,
312.866

 81, 99.935,
312.866

 21, 99.935,
312.866

 91, 99.935,
312.866

 11, 99.935,
312.866

 1, 99.935, 312.866

 0, 99.935, 312.866

51, 99.935,
312.866

51, 99.935,
312.866

46, 110.685,
312.919

57, 87.081,
312.565

43, 118.348,
312.609

63, 73.041,
312.119

40, 122.428,
312.015

69, 58.485,
311.603

76, 43.848,
311.068

83, 29.384,
310.544

90, 15.234,
310.049

97, 1.469, 309.509

100, 3.018,
109.927

Harmonies

Complementary

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



51, 99.935, 312.866



90, 90.061, 126.801

Rectangle

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



51, 99.935, 312.866



51, 99.935, 2.866



51, 99.935, 132.866



51, 99.935, 182.866

Sweetspot

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



51, 99.934, 312.866



85, 29.843, 310.542



65, 51.788, 272.225



43, 20.270, 310.684



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, 99.934, 312.866



46, 116.262, 312.844



63, 100.026, 327.820



48, 7.823, 309.973



30, 99.219, 312.207



6, 43.254, 313.095

Inverse Universe

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



59, 73.192, 354.133



57, 81.706, 358.242



87, 101.964, 137.914



49, 6.219, 345.185



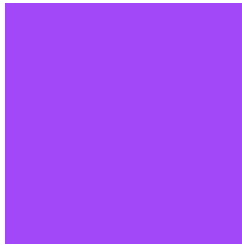
40, 67.445, 3.422



10, 30.939, 357.340

Previews

White Background



This preview shows how the CIELCh color 51, 99.935, 312.866 looks on a white background.

Color Contrast Check

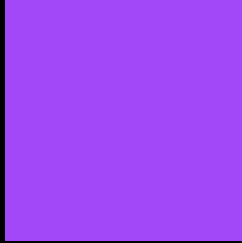
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.935, 312.866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

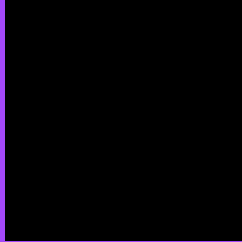
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 99.935, 312.866

Background



This preview shows how black text looks on a background with the CIELCh color 51, 99.935, 312.866.

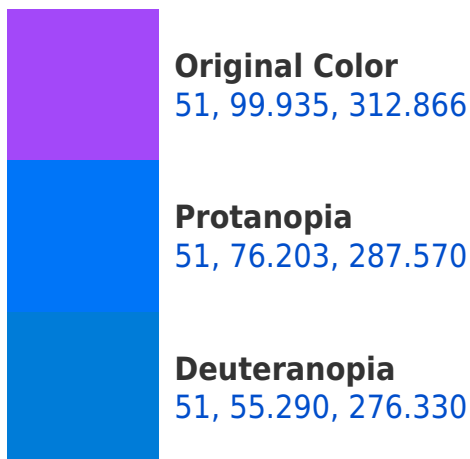


This preview shows how white text looks on a background with the CIELCh color 51, 99.935, 312.866.

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, 11.059, 352.562

Trichromacy



Original Color
51, 99.935, 312.866



Protanomaly
48, 85.556, 295.116



Deuteranomaly
48, 72.124, 291.650



Tritanomaly
50, 44.181, 317.470

Monochromacy



Original Color
51, 99.935, 312.866



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 39.374, 311.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 99.935, 312.866 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(163, 72, 249)` looks like.

```
.text, #text, p{  
    color:rgb(163, 72, 249)  
}
```

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(163, 72, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 72, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 99.935, 312.866 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(163, 72, 249) }
```

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

```
.border{ border-color:rgb(163, 72, 249) }
```

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

Here you see how a box with a 4 pixel rgb(163, 72, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 72, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 72, 249);  
box-shadow:4px 4px 4px 4px rgb(163, 72,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 99.935, 312.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 72, 249) }
```

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

```
.background{ background-color: rgb(163, 72,  
249) }
```

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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