

Converting Colors

CIELCh(51, 83.898, 308.617)

Have a look what the booklet for
CIELCh(51, 83.898, 308.617)
contains.

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Color

CIELCh(51, 83.898, 308.617)

Conversions

Conversions Part 1

Format	Color
Hex	905AEB
RGB	144, 90, 235
RGB Percent	56%, 35%, 92%
CMY	0.4349, 0.6467, 0.0780
CMYK	0.39, 0.62, 0.00, 0.08
HSL	262°, 78%, 64%
HSV	262°, 62%, 92%
XYZ	30.1914, 19.2686, 80.7993
YIQ	122.6760, -14.3610, 56.5430

Conversions

Conversions Part 2

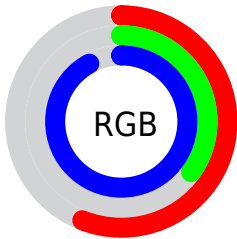
Format	Color
R_{YB}	144, 90, 235
Decimal	9460459
CIE _{Lab}	51.00, 52.36, -65.55
CIE _{LCh}	51, 83.898, 308.617
Yxy	19.2686, 0.2318, 0.1479
Android (android.graphics.Color)	4287650539 (0xFF905AEB)
YUV	122.6760, 55.3757, 18.7011
Hunter-Lab	43.8960, 45.9530, -78.4077

Details

The CIELCh color **51, 83.898, 308.617** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **87, 73.836, 121.565**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 64.629, 312.585**, and **31, 83.848, 308.705** is the 20% darker color. If you saturate the color by 10%, you get **45, 96.960, 309.233**, and if you desaturate by 10%, it is **57, 69.992, 307.889**.

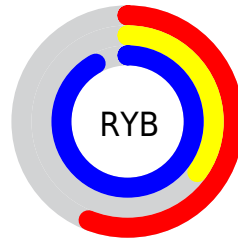
Distribution



Red (56%)

Green (35%)

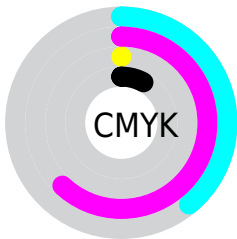
Blue (92%)



Red (56%)

Yellow (35%)

Blue (92%)

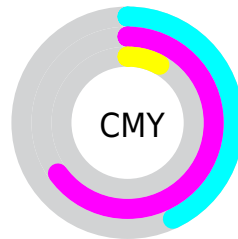


Cyan (39%)

Magenta (62%)

Yellow (0%)

Black (8%)



Cyan (43%)


Magenta (65%)


Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 83.898, 308.617 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, 83.898, 308.617 by changing the saturation by 10% instead.


 51, 83.898,
308.617


 51, 83.898,
308.617


 100, 83.898,
308.617


 41, 83.898,
308.617


 71, 83.898,
308.617

 31, 83.898,
308.617

 81, 83.898,
308.617

 21, 83.898,
308.617

 91, 83.898,
308.617

 11, 83.898,
308.617

 1, 83.898, 308.617

 0, 83.898, 308.617

51, 83.898,
308.617

51, 83.898,
308.617

45, 96.960,
309.233

57, 69.992,
307.889

40, 108.205,
309.605

64, 55.871,
307.135

36, 116.429,
309.576

71, 41.887,
306.407

34, 120.722,
309.237

78, 28.222,
305.731

85, 14.958,
305.118

92, 2.125, 304.541

99, 10.275,
124.111

100, 10.074,
109.415

Harmonies

Complementary

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



51, 83.898, 308.617



87, 73.836, 121.565

Rectangle

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



51, 83.898, 308.617



51, 83.898, 358.617



51, 83.898, 128.617



51, 83.898, 178.617

Sweetspot

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



51, 83.897, 308.617



86, 26.305, 305.565



71, 36.621, 251.389



44, 18.189, 305.749



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, 83.897, 308.617



48, 106.511, 309.362



60, 85.367, 323.335



45, 7.236, 304.990



25, 99.067, 309.409



4, 37.014, 307.413

Inverse Universe

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



60, 67.862, 343.258



61, 81.733, 345.194



84, 84.803, 136.563



46, 6.510, 338.034



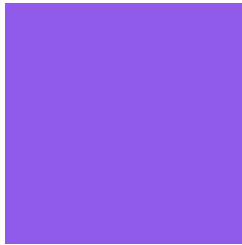
40, 68.484, 350.524



8, 30.233, 346.201

Previews

White Background



This preview shows how the CIELCh color 51, 83.898, 308.617 looks on a white background.

Color Contrast Check

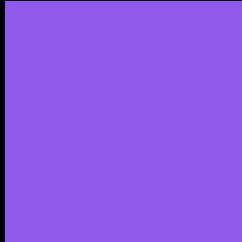
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.898, 308.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

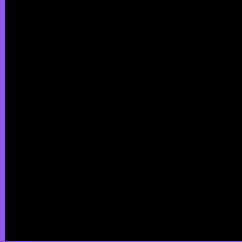
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 83.898, 308.617

Background



This preview shows how black text looks on a background with the CIELCh color 51, 83.898, 308.617.

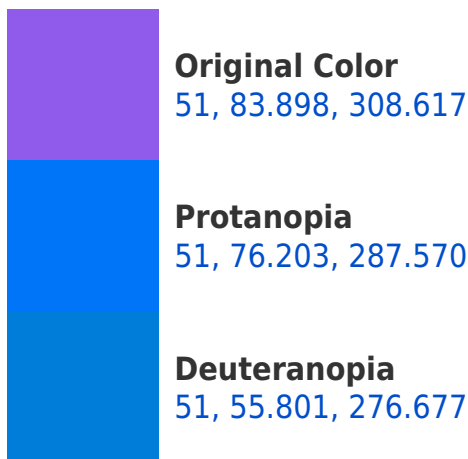



This preview shows how white text looks on a background with the CIELCh color 51, 83.898, 308.617.

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, 5.859, 294.736

Trichromacy



Original Color
51, 83.898, 308.617



Protanomaly
49, 79.202, 292.324



Deuteranomaly
49, 65.722, 287.644



Tritanomaly
50, 35.349, 305.497

Monochromacy



Original Color
51, 83.898, 308.617



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 31.890, 306.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 83.898, 308.617 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(144, 90, 235)` looks like.

```
.text, #text, p{  
    color:rgb(144, 90, 235)  
}
```

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(144, 90, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 90, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 83.898, 308.617 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(144, 90, 235) }
```

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

```
.border{ border-color:rgb(144, 90, 235) }
```

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

Here you see how a box with a 4 pixel rgb(144, 90, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 90, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 90, 235);  
box-shadow:4px 4px 4px 4px rgb(144, 90,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 83.898, 308.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 90, 235) }
```

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

```
.background{ background-color: rgb(144, 90,  
235) }
```

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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