

Converting Colors

CIELCh(51, 84.955, 306.715)

Have a look what the booklet for
CIELCh(51, 84.955, 306.715)
contains.

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Color

CIELCh(51, 85.382, 306.826)

Conversions

Conversions Part 1

Format	Color
Hex	895CF0
RGB	137, 92, 240
RGB Percent	54%, 36%, 94%
CMY	0.4627, 0.6392, 0.0588
CMYK	0.43, 0.62, 0.00, 0.06
HSL	258°, 83%, 65%
HSV	258°, 62%, 94%
XYZ	29.8779, 19.2686, 84.5954
YIQ	122.3270, -20.6880, 55.5680

Conversions

Conversions Part 2

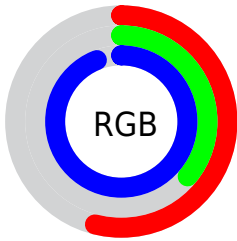
Format	Color
R _Y B	137, 92, 240
Decimal	9002224
CIE Lab	51.00, 51.18, -68.34
CIE LCh	51, 85.382, 306.826
Yxy	19.2686, 0.2234, 0.1441
Android (android.graphics.Color)	4287192304 (0xFF895CF0)
YUV	122.3270, 58.0128, 12.8682
Hunter-Lab	43.8960, 44.6782, -83.5350

Details

The CIELCh color **51, 85.382, 306.826** 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 **89, 73.889, 118.719**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 62.987, 310.295**, and **31, 85.467, 306.832** is the 20% darker color. If you saturate the color by 10%, you get **45, 99.048, 307.657**, and if you desaturate by 10%, it is **58, 70.994, 305.907**.

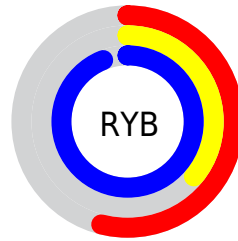
Distribution



Red (54%)

Green (36%)

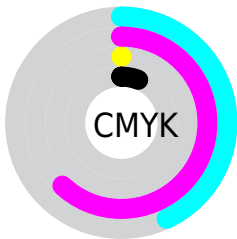
Blue (94%)



Red (54%)

Yellow (36%)

Blue (94%)

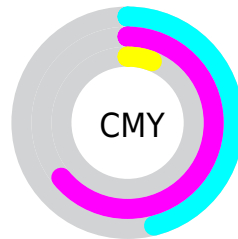


Cyan (43%)

Magenta (62%)

Yellow (0%)

Black (6%)



Cyan (46%)


Magenta (64%)


Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 85.382, 306.826 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, 85.382, 306.826 by changing the saturation by 10% instead.


 51, 85.382,
306.826


 51, 85.382,
306.826


 100, 85.382,
306.826


 41, 85.382,
306.826


 71, 85.382,
306.826

 31, 85.382,
306.826

 81, 85.382,
306.826

 21, 85.382,
306.826

 91, 85.382,
306.826

 11, 85.382,
306.826

 1, 85.382, 306.826

 0, 85.382, 306.826

51, 85.382,
306.826

51, 85.382,
306.826

45, 99.048,
307.657

58, 70.994,
305.907

40, 110.944,
308.253

65, 56.515,
304.992

36, 119.692,
308.427

72, 42.276,
304.132

33, 124.194,
308.231

79, 28.431,
303.351

86, 15.039,
302.655

94, 2.115, 302.021

100, 7.598,
112.445

100, 7.584,
109.600

Harmonies

Complementary

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



51, 85.382, 306.826



89, 73.889, 118.719

Rectangle

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



51, 85.382, 306.826



51, 85.382, 356.826



51, 85.382, 126.826



51, 85.382, 176.826

Sweetspot

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



51, 85.382, 306.827



86, 24.655, 303.090



75, 35.355, 241.111



44, 17.221, 303.301



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, 85.382, 306.827



46, 107.137, 307.841



60, 86.308, 321.249



46, 7.292, 302.513



25, 101.386, 308.384



4, 38.800, 306.108

Inverse Universe

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



62, 71.925, 339.618



61, 85.119, 341.146



86, 84.661, 135.107



47, 6.956, 335.072



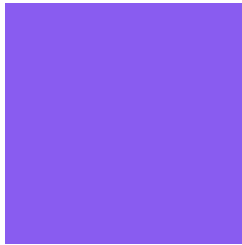
41, 71.945, 345.176



9, 32.294, 342.156

Previews

White Background



This preview shows how the CIELCh color 51, 85.382, 306.826 looks on a white background.

Color Contrast Check

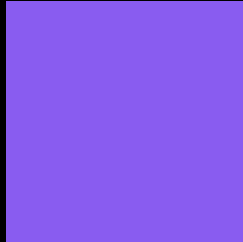
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.382, 306.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

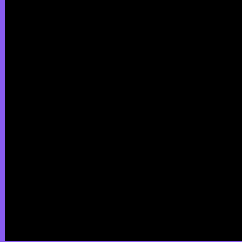
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 85.382, 306.826

Background



This preview shows how black text looks on a background with the CIELCh color 51, 85.382, 306.826.

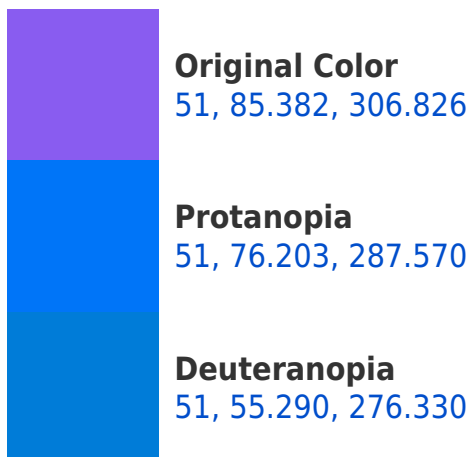


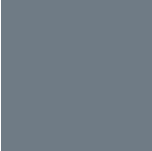
This preview shows how white text looks on a background with the CIELCh color 51, 85.382, 306.826.

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, 7.286, 252.474

Trichromacy



Original Color
51, 85.382, 306.826



Protanomaly
49, 79.696, 292.118



Deuteranomaly
49, 66.306, 287.626



Tritanomaly
50, 35.294, 298.789

Monochromacy



Original Color
51, 85.382, 306.826



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 32.209, 303.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 85.382, 306.826 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(137, 92, 240)` looks like.

```
.text, #text, p{  
    color:rgb(137, 92, 240)  
}
```

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(137, 92, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 92, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 85.382, 306.826 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(137, 92, 240) }
```

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

```
.border{ border-color:rgb(137, 92, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 92, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 92, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 92, 240);  
box-shadow:4px 4px 4px 4px rgb(137, 92,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 85.382, 306.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 92, 240) }
```

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

```
.background{ background-color: rgb(137, 92,  
240) }
```

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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