

Converting Colors

CIELCh(50, 94.502, 306.426)

Have a look what the booklet for
CIELCh(50, 94.502, 306.426)
contains.

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Color

CIELCh(50, 94.575, 306.450)

Conversions

Conversions Part 1

Format	Color
Hex	8356FB
RGB	131, 86, 251
RGB Percent	51%, 34%, 98%
CMY	0.4866, 0.6631, 0.0161
CMYK	0.48, 0.66, 0.00, 0.02
HSL	256°, 95%, 66%
HSV	256°, 66%, 98%
XYZ	30.0633, 18.4187, 93.1576
YIQ	118.2650, -26.1450, 60.8550

Conversions

Conversions Part 2

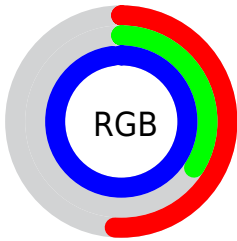
Format	Color
R _Y B	131, 86, 251
Decimal	8607483
CIE Lab	50.00, 56.19, -76.07
CIE LCh	50, 94.575, 306.450
Yxy	18.4187, 0.2123, 0.1300
Android (android.graphics.Color)	4286797563 (0xFF8356FB)
YUV	118.2650, 65.4384, 11.1686
Hunter-Lab	42.9170, 49.9345, -98.6558

Details

The CIELCh color **50, 94.575, 306.450** 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 **93, 80.166, 117.258**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 66.465, 310.218**, and **30, 94.479, 306.480** is the 20% darker color. If you saturate the color by 10%, you get **44, 108.315, 307.319**, and if you desaturate by 10%, it is **57, 79.734, 305.447**.

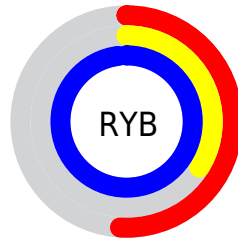
Distribution



Red (51%)

Green (34%)

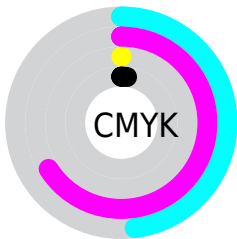
Blue (98%)



Red (51%)

Yellow (34%)

Blue (98%)

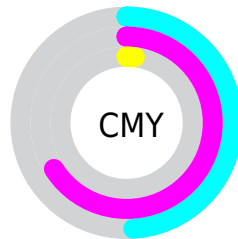


Cyan (48%)

Magenta (66%)

Yellow (0%)

Black (2%)



Cyan (49%)


Magenta (66%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 94.575, 306.450 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 50, 94.575, 306.450 by changing the saturation by 10% instead.


 50, 94.575,
306.450


 50, 94.575,
306.450


 100, 94.575,
306.450


 40, 94.575,
306.450


 70, 94.575,
306.450

 30, 94.575,
306.450


 80, 94.575,
306.450


 20, 94.575,
306.450

 90, 94.575,
306.450

 10, 94.575,
306.450

 0, 94.575, 306.450

 50, 94.575,
306.450

 50, 94.575,
306.450

44, 108.315,
307.319

57, 79.734,
305.447

39, 119.630,
307.873

64, 64.630,
304.430

35, 127.011,
307.916

71, 49.711,
303.466

34, 129.131,
307.832

79, 35.185,
302.588

87, 21.137,
301.807

94, 7.588, 301.118

100, 2.066,
109.986

Harmonies

Complementary

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



50, 94.575, 306.450



93, 80.166, 117.258

Rectangle

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



50, 94.575, 306.450



50, 94.575, 356.450



50, 94.575, 126.450



50, 94.575, 176.450

Sweetspot

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



50, 94.575, 306.451



85, 27.395, 302.128



78, 37.641, 236.881



43, 18.786, 302.350



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 94.575, 306.451



43, 113.794, 307.548



60, 94.084, 320.277



48, 7.515, 301.366



25, 104.038, 307.977



4, 42.760, 306.576

Inverse Universe

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



63, 79.655, 338.504



60, 89.627, 340.047



89, 91.663, 134.105



49, 7.362, 333.810



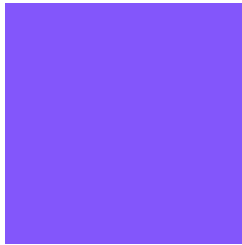
42, 74.919, 342.947



10, 34.714, 340.606

Previews

White Background



This preview shows how the CIELCh color 50, 94.575, 306.450 looks on a white background.

Color Contrast Check

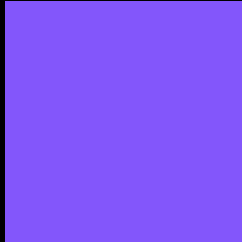
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 94.575, 306.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

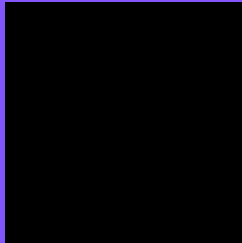
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 94.575, 306.450

Background



This preview shows how black text looks on a background with the CIELCh color 50, 94.575, 306.450.

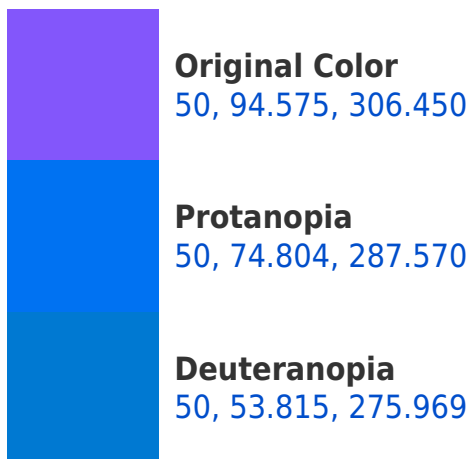


This preview shows how white text looks on a background with the CIELCh color 50, 94.575, 306.450.

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
50, 10.411, 233.072

Trichromacy



Original Color
50, 94.575, 306.450



Protanomaly
48, 82.222, 293.170



Deuteranomaly
48, 68.792, 289.011



Tritanomaly
49, 38.832, 295.516

Monochromacy



Original Color
50, 94.575, 306.450



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 35.911, 303.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 94.575, 306.450 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(131, 86, 251)` looks like.

```
.text, #text, p{  
    color:rgb(131, 86, 251)  
}
```

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(131, 86, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 86, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 94.575, 306.450 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(131, 86, 251) }
```

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

```
.border{ border-color:rgb(131, 86, 251) }
```

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

Here you see how a box with a 4 pixel rgb(131, 86, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 86, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 86, 251);  
box-shadow:4px 4px 4px 4px rgb(131, 86,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 94.575, 306.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 86, 251) }
```

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

```
.background{ background-color: rgb(131, 86,  
251) }
```

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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