

Converting Colors

CIELCh(50, 98.362, 306.767)

Have a look what the booklet for
CIELCh(50, 98.362, 306.767)
contains.

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Color

CIELCh(50, 97.684, 306.765)

Conversions

Conversions Part 1

Format	Color
Hex	8454FF
RGB	132, 84, 255
RGB Percent	52%, 33%, 100%
CMY	0.4830, 0.6712, 0.0007
CMYK	0.48, 0.67, 0.00, 0.00
HSL	257°, 100%, 66%
HSV	257°, 67%, 100%
XYZ	30.6705, 18.4187, 96.4042
YIQ	117.8460, -26.2830, 63.3570

Conversions

Conversions Part 2

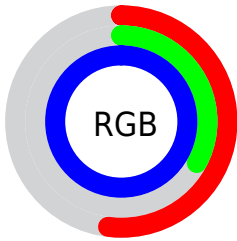
Format	Color
R_{YB}	132, 84, 255
Decimal	8672511
CIE _{Lab}	50.00, 58.47, -78.25
CIE _{LCh}	50, 97.684, 306.765
Yxy	18.4187, 0.2108, 0.1266
Android (android.graphics.Color)	4286862591 (0xFF8454FF)
YUV	117.8460, 67.6169, 12.4131
Hunter-Lab	42.9170, 52.4599, -103.1410

Details

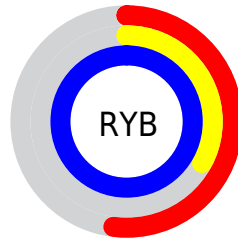
The CIELCh color **50, 97.684, 306.765** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **94, 82.597, 117.586**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 67.125, 310.646**, and **30, 97.723, 306.779** is the 20% darker color. If you saturate the color by 10%, you get **44, 111.296, 307.573**, and if you desaturate by 10%, it is **57, 82.786, 305.799**.

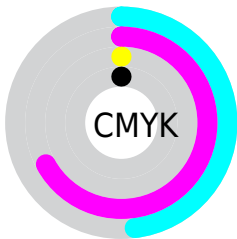
Distribution



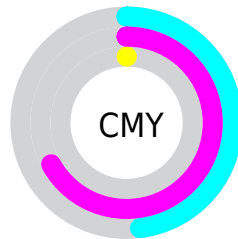
- Red (52%)
- Green (33%)
- Blue (100%)



- Red (52%)
- Yellow (33%)
- Blue (100%)



- Cyan (48%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (67%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 97.684, 306.765 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, 97.684, 306.765 by changing the saturation by 10% instead.


 50, 97.684,
306.765


 50, 97.684,
306.765


 100, 97.684,
306.765


 40, 97.684,
306.765


 70, 97.684,
306.765

 30, 97.684,
306.765


 80, 97.684,
306.765


 20, 97.684,
306.765

 90, 97.684,
306.765

 10, 97.684,
306.765

 0, 97.684, 306.765

 50, 97.684,
306.765

 50, 97.684,
306.765

44, 111.296,
307.573

57, 82.786,
305.799

39, 122.232,
308.037

64, 67.515,
304.802

36, 129.057,
307.977

72, 52.373,
303.847

35, 130.510,
307.916

79, 37.601,
302.972

87, 23.300,
302.190

95, 9.500, 301.499

100, 0.074,
109.124

Harmonies

Complementary

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



50, 97.684, 306.765



94, 82.597, 117.586

Rectangle

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



50, 97.684, 306.765



50, 97.684, 356.765



50, 97.684, 126.765



50, 97.684, 176.765

Sweetspot

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



50, 97.684, 306.766



85, 27.419, 302.408



79, 38.589, 237.288



43, 18.802, 302.626



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, 97.684, 306.766



42, 116.034, 307.806



60, 96.788, 320.293



49, 7.649, 301.658



25, 104.961, 308.063



4, 44.717, 307.260

Inverse Universe

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



63, 81.345, 339.053



59, 90.082, 340.764



90, 94.315, 134.043



50, 7.443, 334.125



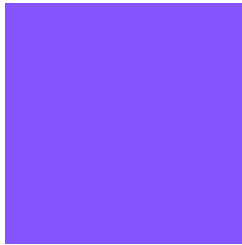
43, 75.259, 343.527



11, 35.432, 341.189

Previews

White Background



This preview shows how the CIELCh color 50, 97.684, 306.765 looks on a white background.

Color Contrast Check

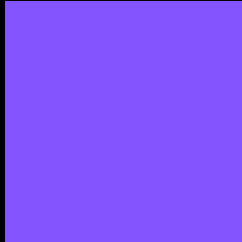
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 97.684, 306.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

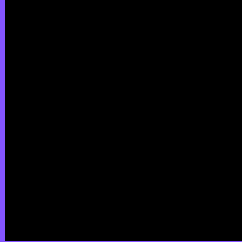
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 97.684, 306.765

Background



This preview shows how black text looks on a background with the CIELCh color 50, 97.684, 306.765.

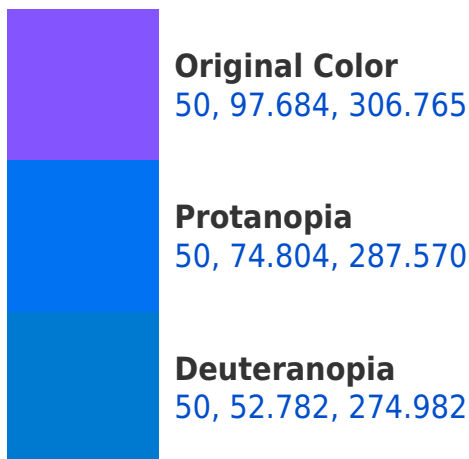


This preview shows how white text looks on a background with the CIELCh color 50, 97.684, 306.765.

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, 97.684, 306.765



Protanomaly
48, 83.931, 293.681



Deuteranomaly
48, 69.341, 289.182



Tritanomaly
49, 40.626, 296.145

Monochromacy



Original Color
50, 97.684, 306.765



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 37.049, 303.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 97.684, 306.765 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(132, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 84, 255)  
}
```

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(132, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 84, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 97.684, 306.765 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(132, 84, 255) }
```

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

```
.border{ border-color:rgb(132, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 84,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 97.684, 306.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 84, 255) }
```

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

```
.background{ background-color: rgb(132, 84,  
255) }
```

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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