

Converting Colors

CIELCh(52, 112.853, 308.084)

Have a look what the booklet for
CIELCh(52, 112.853, 308.084)
contains.

CIELCh(50, 100.559, 308.860)	3
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Color

CIELCh(50, 100.559, 308.860)

Conversions

Conversions Part 1

Format	Color
Hex	8E4EFF
RGB	142, 78, 255
RGB Percent	56%, 31%, 100%
CMY	0.4431, 0.6941, 0.0000
CMYK	0.44, 0.69, 0.00, 0.00
HSL	262°, 100%, 65%
HSV	262°, 69%, 100%
XYZ	31.9283, 18.4187, 96.4781
YIQ	117.3140, -18.6730, 68.6150

Conversions

Conversions Part 2

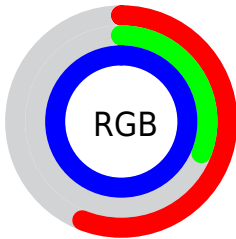
Format	Color
R _Y B	142, 78, 255
Decimal	9326335
CIE Lab	50.00, 63.09, -78.30
CIE LCh	50, 100.559, 308.860
Yxy	18.4187, 0.2175, 0.1254
Android (android.graphics.Color)	4287516415 (0xFF8E4EFF)
YUV	117.3140, 67.8792, 21.6496
Hunter-Lab	42.9170, 57.6913, -103.2431

Details

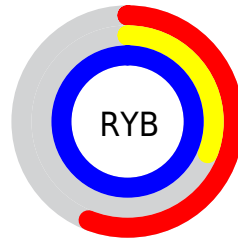
The CIELCh color **50, 100.559, 308.860** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **93, 86.433, 121.034**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 71.285, 314.063**, and **30, 100.611, 308.856** is the 20% darker color. If you saturate the color by 10%, you get **44, 113.125, 309.327**, and if you desaturate by 10%, it is **56, 86.296, 308.180**.

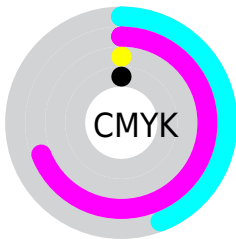
Distribution



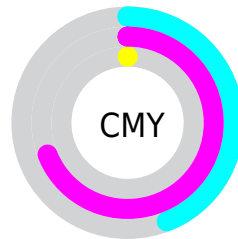
- Red (56%)
- Green (31%)
- Blue (100%)



- Red (56%)
- Yellow (31%)
- Blue (100%)



- Cyan (44%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (69%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 100.559, 308.860 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, 100.559, 308.860 by changing the saturation by 10% instead.


 50, 100.559,
308.860


 50, 100.559,
308.860


 100, 100.559,
308.860


 40, 100.559,
308.860


 70, 100.559,
308.860


 30, 100.559,
308.860

 80, 100.559,
308.860


 20, 100.559,
308.860

 90, 100.559,
308.860

 10, 100.559,
308.860

 0, 100.559,
308.860

 50, 100.559,

 50, 100.559,

308.860

308.860

■ 44, 113.125,
309.327

■ 56, 86.296,
308.180

■ 40, 122.694,
309.417

■ 63, 71.317,
307.410

■ 37, 128.431,
309.042

■ 71, 56.225,
306.632

■ 37, 128.718,
309.019

■ 78, 41.349,
305.891

■ 85, 26.853,
305.211

■ 93, 12.805,
304.598

100, 0.011,
297.404

Harmonies

Complementary

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



50, 100.559, 308.860



93, 86.433, 121.034

Rectangle

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



50, 100.559, 308.860



50, 100.559, 358.860



50, 100.559, 128.860



50, 100.559, 178.860

Sweetspot

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



50, 100.559, 308.861



84, 29.126, 305.315



74, 42.038, 251.686



43, 19.803, 305.499



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, 100.559, 308.861



43, 116.974, 309.412



61, 99.575, 322.942



49, 7.736, 304.603



27, 103.456, 309.193



5, 44.852, 309.207

Inverse Universe

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



62, 79.186, 343.790



58, 86.542, 346.170



89, 98.972, 135.681



50, 7.025, 337.549



42, 71.684, 349.743



11, 33.805, 346.301

Previews

White Background



This preview shows how the CIE LCh color 50, 100.559, 308.860 looks on a white background.

Color Contrast Check

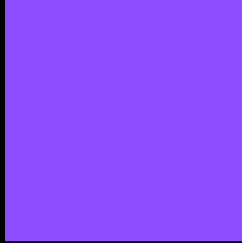
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.559, 308.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

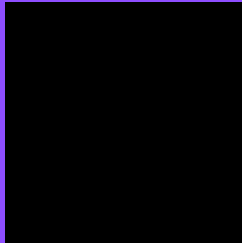
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 100.559, 308.860

Background



This preview shows how black text looks on a background with the CIELCh color 50, 100.559, 308.860.

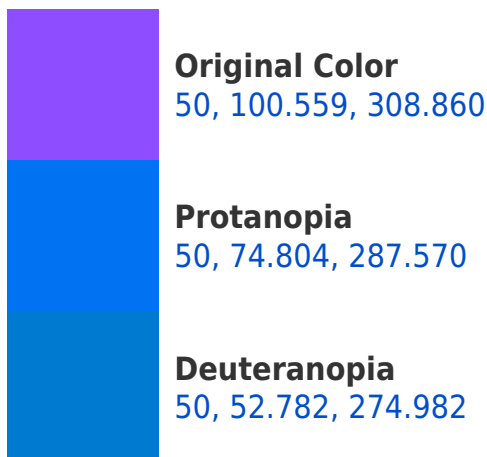


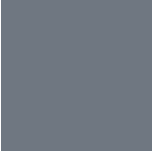
This preview shows how white text looks on a background with the CIELCh color 50, 100.559, 308.860.

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, 6.543, 263.071

Trichromacy



Original Color
50, 100.559, 308.860



Protanomaly
48, 85.126, 294.501



Deuteranomaly
48, 70.516, 290.297



Tritanomaly
48, 42.313, 303.231

Monochromacy



Original Color
50, 100.559, 308.860



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 38.637, 306.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 100.559, 308.860 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(142, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 78, 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(142, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 78, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 100.559, 308.860 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(142, 78, 255) }
```

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

```
.border{ border-color:rgb(142, 78, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 78, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 78, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 78, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 78,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 100.559, 308.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 78, 255) }
```

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

```
.background{ background-color: rgb(142, 78,  
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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