

Converting Colors

CIELCh(50, 99.317, 310.126)

Have a look what the booklet for
CIELCh(50, 99.317, 310.126)
contains.

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Color

CIELCh(50, 99.415, 310.114)

Conversions

Conversions Part 1

Format	Color
Hex	944CFB
RGB	148, 76, 251
RGB Percent	58%, 30%, 98%
CMY	0.4197, 0.7021, 0.0158
CMYK	0.41, 0.70, 0.00, 0.02
HSL	265°, 96%, 64%
HSV	265°, 70%, 98%
XYZ	32.1940, 18.4187, 93.0916
YIQ	117.4780, -13.2630, 69.6890

Conversions

Conversions Part 2

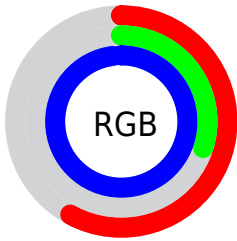
Format	Color
R _Y B	148, 76, 251
Decimal	9719035
CIE Lab	50.00, 64.05, -76.03
CIE LCh	50, 99.415, 310.114
Yxy	18.4187, 0.2240, 0.1282
Android (android.graphics.Color)	4287909115 (0xFF944CFB)
YUV	117.4780, 65.8263, 26.7678
Hunter-Lab	42.9170, 58.7964, -98.5647

Details

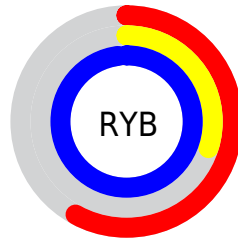
The CIELCh color **50, 99.415, 310.114** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **91, 86.760, 123.034**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 72.178, 315.429**, and **30, 99.297, 310.152** is the 20% darker color. If you saturate the color by 10%, you get **45, 111.385, 310.430**, and if you desaturate by 10%, it is **56, 85.654, 309.573**.

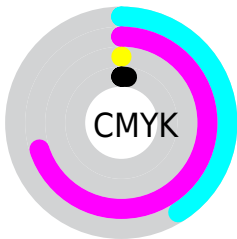
Distribution



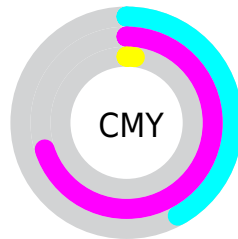
- Red (58%)
- Green (30%)
- Blue (98%)



- Red (58%)
- Yellow (30%)
- Blue (98%)



- Cyan (41%)
- Magenta (70%)
- Yellow (0%)
- Black (2%)





- Cyan (42%)
- Magenta (70%)
- Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 99.415, 310.114 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, 99.415, 310.114 by changing the saturation by 10% instead.


 50, 99.415,
310.114


 50, 99.415,
310.114


 100, 99.415,
310.114


 40, 99.415,
310.114


 70, 99.415,
310.114

 30, 99.415,
310.114


 80, 99.415,
310.114


 20, 99.415,
310.114

 90, 99.415,
310.114

 10, 99.415,
310.114

 0, 99.415, 310.114

 50, 99.415,
310.114

 50, 99.415,
310.114

45, 111.385,
310.430

56, 85.654,
309.573

41, 120.375,
310.374

63, 71.053,
308.924

38, 125.770,
309.885

70, 56.226,
308.244

38, 125.897,
309.872

77, 41.530,
307.583

84, 27.153,
306.964

91, 13.182,
306.399

99, 0.347, 126.206

100, 2.038,
109.988

Harmonies

Complementary

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



50, 99.415, 310.114



91, 86.760, 123.034

Rectangle

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



50, 99.415, 310.114



50, 99.415, 0.114



50, 99.415, 130.114



50, 99.415, 180.114

Sweetspot

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



50, 99.415, 310.115



84, 29.334, 307.041



71, 44.211, 259.196



43, 19.939, 307.209



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, 99.415, 310.115



43, 117.131, 310.460



61, 98.831, 324.547



48, 7.671, 306.386



27, 101.404, 310.058



5, 43.111, 310.178

Inverse Universe

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



61, 76.271, 346.876



58, 84.648, 349.902



88, 99.202, 136.561



49, 6.671, 339.865



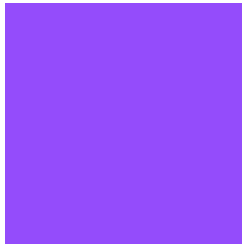
41, 69.330, 353.943



10, 32.150, 349.555

Previews

White Background



This preview shows how the CIELCh color 50, 99.415, 310.114 looks on a white background.

Color Contrast Check

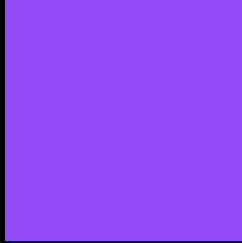
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.415, 310.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

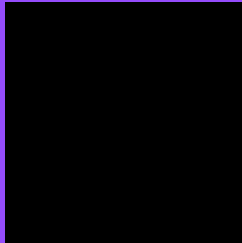
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 99.415, 310.114

Background



This preview shows how black text looks on a background with the CIELCh color 50, 99.415, 310.114.

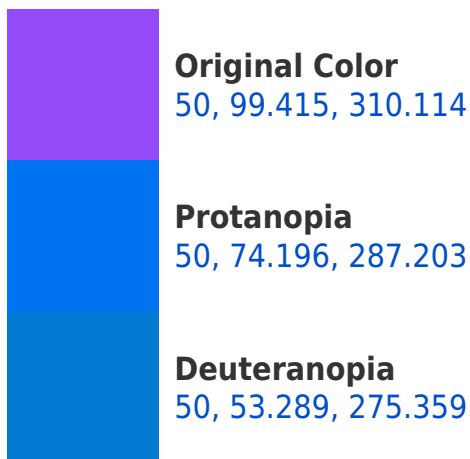


This preview shows how white text looks on a background with the CIELCh color 50, 99.415, 310.114.

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, 5.425, 303.418

Trichromacy



Original Color
50, 99.415, 310.114



Protanomaly
48, 84.013, 294.441



Deuteranomaly
47, 70.555, 290.704



Tritanomaly
48, 41.767, 308.039

Monochromacy



Original Color
50, 99.415, 310.114



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 38.868, 307.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 99.415, 310.114 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(148, 76, 251)` looks like.

```
.text, #text, p{  
    color:rgb(148, 76, 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(148, 76, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 76, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 99.415, 310.114 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(148, 76, 251) }
```

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

```
.border{ border-color:rgb(148, 76, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 76, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 76, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 76, 251);  
box-shadow:4px 4px 4px 4px rgb(148, 76,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 99.415, 310.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 76, 251) }
```

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

```
.background{ background-color: rgb(148, 76,  
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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