

Converting Colors

CIELCh(51, 99.540, 309.634)

Have a look what the booklet for
CIELCh(51, 99.540, 309.634)
contains.

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Color

CIELCh(51, 99.319, 309.628)

Conversions

Conversions Part 1

Format	Color
Hex	9550FF
RGB	149, 80, 255
RGB Percent	58%, 31%, 100%
CMY	0.4167, 0.6872, 0.0010
CMYK	0.42, 0.69, 0.00, 0.00
HSL	264°, 100%, 66%
HSV	264°, 69%, 100%
XYZ	33.2024, 19.2686, 96.3521
YIQ	120.5810, -15.0510, 69.0530

Conversions

Conversions Part 2

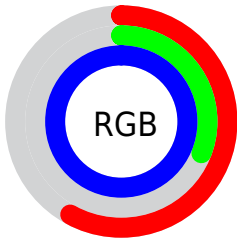
Format	Color
R _Y B	149, 80, 255
Decimal	9785599
CIE Lab	51.00, 63.35, -76.50
CIE LCh	51, 99.319, 309.628
Yxy	19.2686, 0.2231, 0.1295
Android (android.graphics.Color)	4287975679 (0xFF9550FF)
YUV	120.5810, 66.2686, 24.9235
Hunter-Lab	43.8960, 58.1973, -99.4148

Details

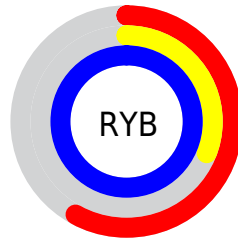
The CIELCh color **51, 99.319, 309.628** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **93, 86.393, 122.352**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 69.861, 315.237**, and **31, 99.222, 309.669** is the 20% darker color. If you saturate the color by 10%, you get **45, 111.796, 310.020**, and if you desaturate by 10%, it is **57, 85.170, 309.027**.

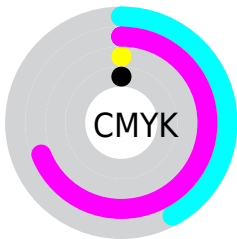
Distribution



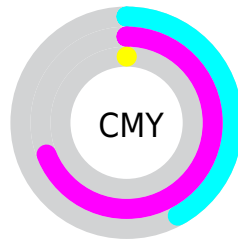
- Red (58%)
- Green (31%)
- Blue (100%)



- Red (58%)
- Yellow (31%)
- Blue (100%)



- Cyan (42%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (69%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 99.319, 309.628 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, 99.319, 309.628 by changing the saturation by 10% instead.


 51, 99.319,
309.628


 51, 99.319,
309.628


 100, 99.319,
309.628


 41, 99.319,
309.628


 71, 99.319,
309.628


 31, 99.319,
309.628

 81, 99.319,
309.628

 21, 99.319,
309.628

 91, 99.319,
309.628

 11, 99.319,
309.628

 1, 99.319, 309.628

 0, 99.319, 309.628

■ 51, 99.319,
309.628

■ 51, 99.319,
309.628

■ 45, 111.796,
310.020

■ 57, 85.170,
309.027

■ 41, 121.376,
310.051

■ 64, 70.287,
308.333

■ 38, 127.167,
309.620

■ 71, 55.258,
307.621

■ 38, 127.792,
309.556

■ 79, 40.414,
306.937

■ 86, 25.922,
306.303

■ 93, 11.860,
305.727

■ 100, 0.123,
109.543

Harmonies

Complementary

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



51, 99.319, 309.628



93, 86.393, 122.352

Rectangle

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



51, 99.319, 309.628



51, 99.319, 359.628



51, 99.319, 129.628



51, 99.319, 179.628

Sweetspot

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



51, 99.319, 309.629



84, 29.259, 306.444



73, 43.285, 256.427



43, 19.890, 306.618



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, 99.319, 309.629



44, 115.448, 310.078



62, 98.892, 323.998



49, 7.777, 305.772



28, 102.795, 309.738



5, 44.891, 310.040

Inverse Universe

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



62, 77.150, 345.629



58, 84.680, 348.196



89, 98.900, 136.343



50, 6.865, 339.045



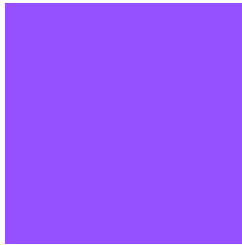
42, 70.543, 352.477



11, 33.244, 348.544

Previews

White Background



This preview shows how the CIELCh color 51, 99.319, 309.628 looks on a white background.

Color Contrast Check

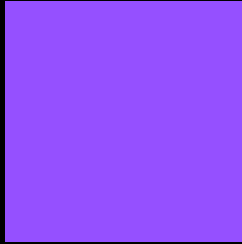
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 99.319, 309.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

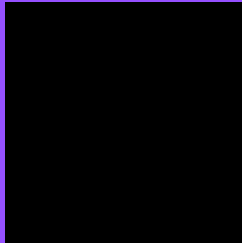
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 99.319, 309.628

Background



This preview shows how black text looks on a background with the CIELCh color 51, 99.319, 309.628.



This preview shows how white text looks on a background with the CIELCh color 51, 99.319, 309.628.

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



Original Color
51, 99.319, 309.628

Protanopia
51, 75.667, 287.391

Deuteranopia
51, 54.781, 275.977



Tritanopia
51, 5.840, 290.934

Trichromacy



Original Color
51, 99.319, 309.628



Protanomaly
49, 85.465, 294.406



Deuteranomaly
48, 70.891, 290.232



Tritanomaly
49, 41.990, 306.464

Monochromacy



Original Color
51, 99.319, 309.628



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 38.647, 307.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 99.319, 309.628 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(149, 80, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 80, 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(149, 80, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 80, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 99.319, 309.628 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(149, 80, 255) }
```

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

```
.border{ border-color:rgb(149, 80, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 80, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 80, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 80, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 80,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 99.319, 309.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 80, 255) }
```

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

```
.background{ background-color: rgb(149, 80,  
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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