

Converting Colors

CIELCh(51, 100.594, 311.101)

Have a look what the booklet for
CIELCh(51, 100.594, 311.101)
contains.

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Color

CIELCh(51, 100.630, 311.110)

Conversions

Conversions Part 1

Format	Color
Hex	9C4CFE
RGB	156, 76, 254
RGB Percent	61%, 30%, 100%
CMY	0.3899, 0.7035, 0.0056
CMYK	0.39, 0.70, 0.00, 0.01
HSL	267°, 98%, 65%
HSV	267°, 70%, 99%
XYZ	34.0063, 19.2686, 95.3379
YIQ	120.2120, -9.4580, 72.3180

Conversions

Conversions Part 2

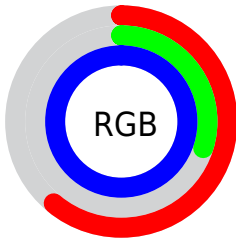
Format	Color
RYB	156, 76, 254
Decimal	10243326
CIELab	51.00, 66.16, -75.82
CIELCh	51, 100.630, 311.110
Yxy	19.2686, 0.2288, 0.1297
Android (android.graphics.Color)	4288433406 (0xFF9C4CFE)
YUV	120.2120, 65.9575, 31.3861
Hunter-Lab	43.8960, 61.4661, -98.0449

Details

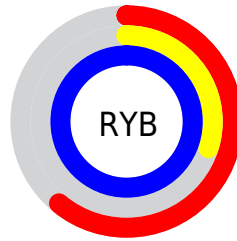
The CIELCh color **51, 100.630, 311.110** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 88.835, 124.481**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 72.122, 317.332**, and **31, 100.715, 311.090** is the 20% darker color. If you saturate the color by 10%, you get **46, 112.281, 311.318**, and if you desaturate by 10%, it is **57, 87.048, 310.667**.

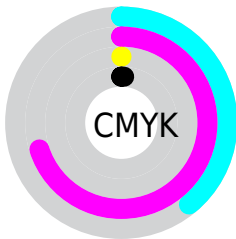
Distribution



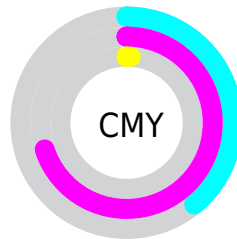
- Red (61%)
- Green (30%)
- Blue (100%)



- Red (61%)
- Yellow (30%)
- Blue (100%)



- Cyan (39%)
- Magenta (70%)
- Yellow (0%)
- Black (1%)





- Cyan (39%)
- Magenta (70%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 100.630, 311.110 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, 100.630, 311.110 by changing the saturation by 10% instead.


 51, 100.630,
311.110


 51, 100.630,
311.110


 100, 100.630,
311.110


 41, 100.630,
311.110


 71, 100.630,
311.110


 31, 100.630,
311.110


 81, 100.630,
311.110

 21, 100.630,
311.110

 91, 100.630,
311.110

 11, 100.630,
311.110

 1, 100.630,
311.110

 0, 100.630,
311.110

51, 100.630,
311.110

51, 100.630,
311.110

46, 112.281,
311.318

57, 87.048,
310.667

42, 120.872,
311.154

64, 72.489,
310.099

39, 125.893,
310.592

70, 57.597,
309.485

78, 42.763,
308.875

85, 28.200,
308.295

92, 14.017,
307.759

99, 0.260, 306.822

100, 0.710,
110.016

Harmonies

Complementary

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



51, 100.630, 311.110



92, 88.835, 124.481

Rectangle

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



51, 100.630, 311.110



51, 100.630, 1.110



51, 100.630, 131.110



51, 100.630, 181.110

Sweetspot

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



51, 100.630, 311.110



85, 29.510, 308.341



69, 46.932, 263.909



43, 20.053, 308.498



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, 100.630, 311.110



44, 116.495, 311.306



63, 100.248, 325.631



49, 7.853, 307.724



29, 101.629, 310.780



6, 44.922, 311.498

Inverse Universe

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



61, 75.747, 349.433



57, 83.217, 352.745



89, 101.221, 137.060



50, 6.606, 341.740



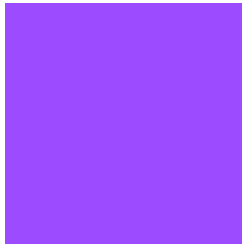
41, 69.061, 357.373



11, 32.437, 352.574

Previews

White Background



This preview shows how the CIELCh color 51, 100.630, 311.110 looks on a white background.

Color Contrast Check

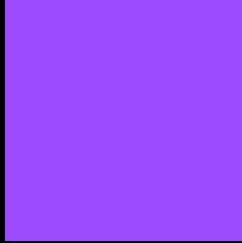
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.630, 311.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

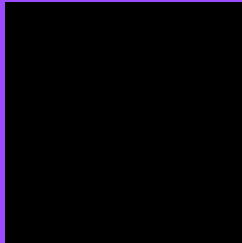
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 100.630, 311.110

Background



This preview shows how black text looks on a background with the CIELCh color 51, 100.630, 311.110.

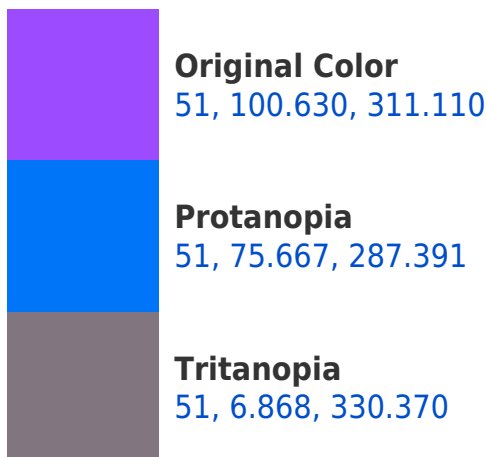


This preview shows how white text looks on a background with the CIELCh color 51, 100.630,

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



Trichromacy



Original Color
51, 100.630, 311.110



Protanomaly
49, 85.504, 294.794



Tritanomaly
50, 42.800, 311.525

Monochromacy



Original Color
51, 100.630, 311.110



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 39.515, 309.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 100.630, 311.110 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(156, 76, 254)` looks like.

```
.text, #text, p{  
    color:rgb(156, 76, 254)  
}
```

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(156, 76, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 76, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 100.630, 311.110 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(156, 76, 254) }
```

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

```
.border{ border-color:rgb(156, 76, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 76, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 76, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 76, 254);  
box-shadow:4px 4px 4px 4px rgb(156, 76,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 100.630, 311.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 76, 254) }
```

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

```
.background{ background-color: rgb(156, 76,  
254) }
```

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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