

Converting Colors

CIELCh(51, 102.078, 310.700)

Have a look what the booklet for
CIELCh(51, 102.078, 310.700)
contains.

CIELCh(51, 101.175, 310.759)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(51, 101.175, 310.759)

Conversions

Conversions Part 1

Format	Color
Hex	9A4CFF
RGB	154, 76, 255
RGB Percent	60%, 30%, 100%
CMY	0.3959, 0.7018, 0.0000
CMYK	0.40, 0.70, 0.00, 0.00
HSL	266°, 100%, 65%
HSV	266°, 70%, 100%
XYZ	33.9747, 19.2686, 96.5639
YIQ	119.7280, -10.9710, 72.2050

Conversions

Conversions Part 2

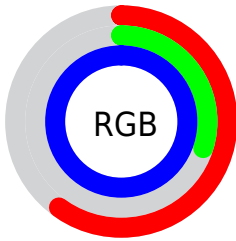
Format	Color
RYB	154, 76, 255
Decimal	10112255
CIELab	51.00, 66.06, -76.64
CIELCh	51, 101.175, 310.759
Yxy	19.2686, 0.2268, 0.1286
Android (android.graphics.Color)	4288302335 (0xFF9A4CFF)
YUV	119.7280, 66.6891, 30.0565
Hunter-Lab	43.8960, 61.3377, -99.7009

Details

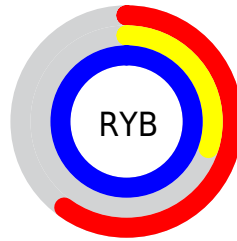
The CIELCh color **51, 101.175, 310.759** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 88.898, 123.975**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 72.569, 316.926**, and **31, 101.190, 310.767** is the 20% darker color. If you saturate the color by 10%, you get **46, 112.965, 311.000**, and if you desaturate by 10%, it is **57, 87.435, 310.287**.

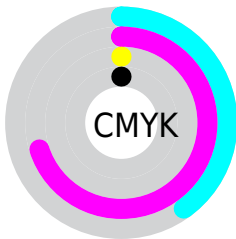
Distribution



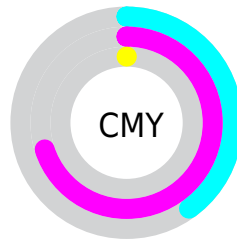
- Red (60%)
- Green (30%)
- Blue (100%)



- Red (60%)
- Yellow (30%)
- Blue (100%)



- Cyan (40%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (70%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 101.175, 310.759 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, 101.175, 310.759 by changing the saturation by 10% instead.


 51, 101.175,
310.759


 51, 101.175,
310.759


 100, 101.175,
310.759


 41, 101.175,
310.759


 71, 101.175,
310.759


 31, 101.175,
310.759


 81, 101.175,
310.759

 21, 101.175,
310.759

 91, 101.175,
310.759

 11, 101.175,
310.759

 1, 101.175,
310.759

 0, 101.175,
310.759

■ 51, 101.175,
310.759

■ 51, 101.175,
310.759

■ 46, 112.965,
311.000

■ 57, 87.435,
310.287

■ 42, 121.693,
310.864

■ 64, 72.759,
309.692

■ 39, 126.795,
310.322

■ 71, 57.779,
309.056

■ 78, 42.879,
308.427

■ 85, 28.266,
307.834

■ 93, 14.046,
307.286

■ 100, 0.260,
306.361

■ 100, 0.012,

Harmonies

Complementary

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



51, 101.175, 310.759



92, 88.898, 123.975

Rectangle

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



51, 101.175, 310.759



51, 101.175, 0.759



51, 101.175, 130.759



51, 101.175, 180.759

Sweetspot

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



51, 101.158, 310.761



85, 29.446, 307.880



70, 47.144, 263.917



43, 20.011, 308.041



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, 101.158, 310.761



44, 116.721, 311.000



63, 100.693, 325.632



49, 7.834, 307.251



28, 101.917, 310.512



6, 44.919, 311.137

Inverse Universe

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



61, 76.589, 348.546



57, 83.698, 351.719



89, 101.673, 137.058



50, 6.668, 341.063



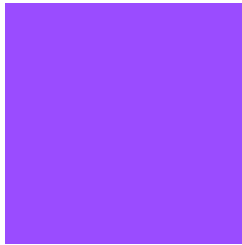
42, 69.368, 356.150



11, 32.616, 351.565

Previews

White Background



This preview shows how the CIELCh color 51, 101.175, 310.759 looks on a white background.

Color Contrast Check

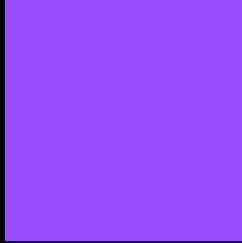
Large Text (above 18pt) WCAG AA ✓ Pass

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, 101.175, 310.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

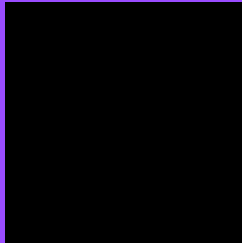
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 101.175, 310.759

Background



This preview shows how black text looks on a background with the CIELCh color 51, 101.175, 310.759.



This preview shows how white text looks on a background with the CIELCh color 51, 101.175, 310.759.

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, 101.175, 310.759

Protanopia

51, 75.667, 287.391

Deuteranopia

51, 54.781, 275.977



Tritanopia
51, 5.967, 318.410

Trichromacy



Original Color
51, 101.175, 310.759



Protanomaly
49, 86.059, 294.816



Deuteranomaly
48, 72.028, 290.932



Tritanomaly
49, 43.126, 309.959

Monochromacy



Original Color
51, 101.175, 310.759



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 39.447, 308.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 101.175, 310.759 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(154, 76, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 76, 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(154, 76, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 76, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 101.175, 310.759 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(154, 76, 255) }
```

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

```
.border{ border-color:rgb(154, 76, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 76, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 76, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 76, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 76,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 101.175, 310.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 76, 255) }
```

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

```
.background{ background-color: rgb(154, 76,  
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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