

Converting Colors

CIELCh(51, 100.666, 310.732)

Have a look what the booklet for
CIELCh(51, 100.666, 310.732)
contains.

CIELCh(51, 100.691, 310.817)	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, 100.691, 310.817)

Conversions

Conversions Part 1

Format	Color
Hex	9A4CFE
RGB	154, 76, 254
RGB Percent	60%, 30%, 100%
CMY	0.3951, 0.7010, 0.0029
CMYK	0.39, 0.70, 0.00, 0.00
HSL	266°, 99%, 65%
HSV	266°, 70%, 100%
XYZ	33.9062, 19.2686, 95.9123
YIQ	119.6140, -10.6500, 71.8940

Conversions

Conversions Part 2

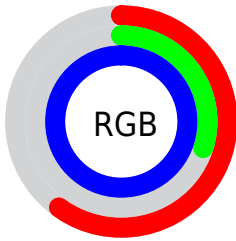
Format	Color
RYB	154, 76, 254
Decimal	10112254
CIELab	51.00, 65.82, -76.20
CIELCh	51, 100.691, 310.817
Yxy	19.2686, 0.2274, 0.1292
Android (android.graphics.Color)	4288302334 (0xFF9A4CFE)
YUV	119.6140, 66.2523, 30.1565
Hunter-Lab	43.8960, 61.0589, -98.8208

Details

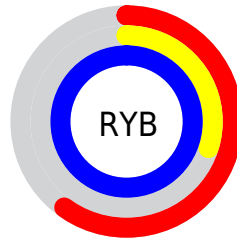
The CIELCh color **51, 100.691, 310.817** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 88.590, 124.066**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 72.569, 316.926**, and **31, 100.730, 310.819** is the 20% darker color. If you saturate the color by 10%, you get **46, 112.494, 311.055**, and if you desaturate by 10%, it is **57, 86.990, 310.346**.

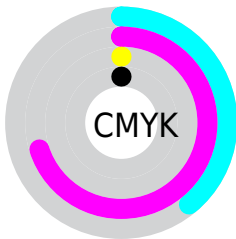
Distribution



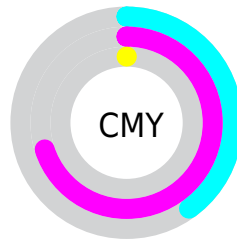
- Red (60%)
- Green (30%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 100.691, 310.817 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, 100.691, 310.817 by changing the saturation by 10% instead.


 51, 100.691,
310.817


 51, 100.691,
310.817


 100, 100.691,
310.817


 41, 100.691,
310.817


 71, 100.691,
310.817


 31, 100.691,
310.817


 81, 100.691,
310.817

 21, 100.691,
310.817

 91, 100.691,
310.817

 11, 100.691,
310.817

 1, 100.691,
310.817

 0, 100.691,
310.817

51, 100.691,
310.817

51, 100.691,
310.817

46, 112.494,
311.055

57, 86.990,
310.346

42, 121.247,
310.922

64, 72.348,
309.755

39, 126.447,
310.371

71, 57.406,
309.123

78, 42.544,
308.498

85, 27.969,
307.907

92, 13.785,
307.363

100, 0.033,
303.366

100, 0.366,

Harmonies

Complementary

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



51, 100.691, 310.817



92, 88.590, 124.066

Rectangle

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



51, 100.691, 310.817



51, 100.691, 0.817



51, 100.691, 130.817



51, 100.691, 180.817

Sweetspot

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



51, 100.691, 310.818



85, 29.457, 307.964



70, 46.937, 263.847



43, 20.018, 308.124



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, 100.691, 310.818



44, 116.680, 311.054



63, 100.301, 325.629



49, 7.837, 307.336



29, 101.865, 310.559



6, 44.919, 311.202

Inverse Universe

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



61, 76.203, 348.671



57, 83.609, 351.903



89, 101.264, 137.073



50, 6.657, 341.184



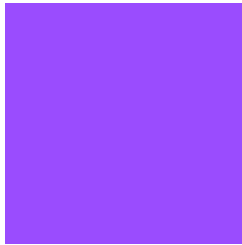
41, 69.310, 356.369



11, 32.583, 351.746

Previews

White Background



This preview shows how the CIE LCh color 51, 100.691, 310.817 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, 100.691, 310.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

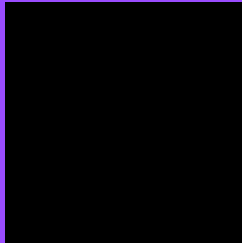
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 100.691, 310.817

Background



This preview shows how black text looks on a background with the CIELCh color 51, 100.691, 310.817.

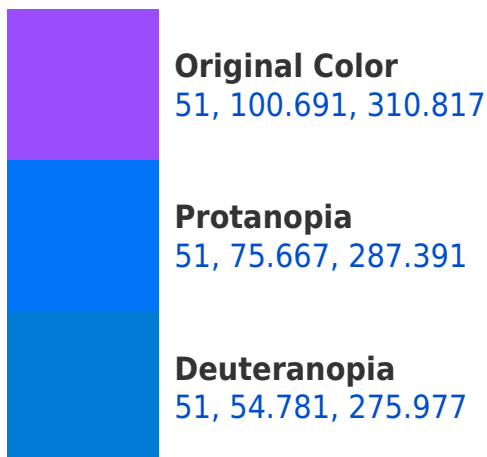


This preview shows how white text looks on a background with the CIELCh color 51, 100.691, 310.817.

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
51, 6.874, 322.053

Trichromacy



Original Color
51, 100.691, 310.817



Protanomaly
49, 86.059, 294.816



Deuteranomaly
48, 71.478, 290.787



Tritanomaly
50, 43.195, 310.410

Monochromacy



Original Color
51, 100.691, 310.817



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, 100.691, 310.817 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(154, 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(154, 76, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 76, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 100.691, 310.817 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, 254) }
```

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

```
.border{ border-color:rgb(154, 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(154, 76, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 76, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 76, 254);  
box-shadow:4px 4px 4px 4px rgb(154, 76,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 100.691, 310.817 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, 254) }
```

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

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