

Converting Colors

CIELCh(51, 99.815, 311.671)

Have a look what the booklet for
CIELCh(51, 99.815, 311.671)
contains.

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Color

CIELCh(51, 99.609, 311.695)

Conversions

Conversions Part 1

Format	Color
Hex	9E4BFB
RGB	158, 75, 251
RGB Percent	62%, 29%, 98%
CMY	0.3803, 0.7058, 0.0157
CMYK	0.37, 0.70, 0.00, 0.02
HSL	268°, 96%, 64%
HSV	268°, 70%, 98%
XYZ	34.0326, 19.2686, 93.1987
YIQ	119.8810, -7.0280, 72.3320

Conversions

Conversions Part 2

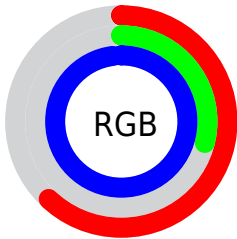
Format	Color
RYB	158, 75, 251
Decimal	10374139
CIELab	51.00, 66.26, -74.38
CIElCh	51, 99.609, 311.695
Yxy	19.2686, 0.2323, 0.1315
Android (android.graphics.Color)	4288564219 (0xFF9E4BFB)
YUV	119.8810, 64.6417, 33.4304
Hunter-Lab	43.8960, 61.5731, -95.1555

Details

The CIELCh color **51, 99.609, 311.695** 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, 88.609, 125.299**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 72.852, 317.924**, and **31, 99.540, 311.734** is the 20% darker color. If you saturate the color by 10%, you get **46, 111.012, 311.857**, and if you desaturate by 10%, it is **57, 86.261, 311.298**.

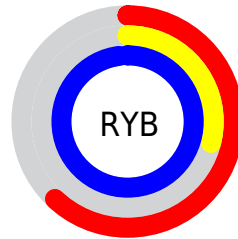
Distribution



Red (62%)

Green (29%)

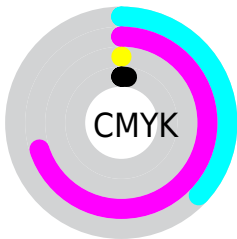
Blue (98%)



Red (62%)

Yellow (29%)

Blue (98%)

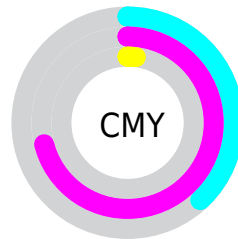


Cyan (37%)

Magenta (70%)

Yellow (0%)

Black (2%)



Cyan (38%)


Magenta (71%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 99.609, 311.695 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, 99.609, 311.695 by changing the saturation by 10% instead.


 51, 99.609,
311.695


 51, 99.609,
311.695


 100, 99.609,
311.695


 41, 99.609,
311.695


 71, 99.609,
311.695

 31, 99.609,
311.695

 81, 99.609,
311.695

 21, 99.609,
311.695

 91, 99.609,
311.695

 11, 99.609,
311.695

 1, 99.609, 311.695

 0, 99.609, 311.695

51, 99.609,
311.695

51, 99.609,
311.695

46, 111.012,
311.857

57, 86.261,
311.298

42, 119.394,
311.654

63, 71.898,
310.771

39, 124.319,
311.059

70, 57.163,
310.192

77, 42.448,
309.610

84, 27.978,
309.053

91, 13.868,
308.534

99, 0.169, 307.315

100, 2.013,
109.989

Harmonies

Complementary

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



51, 99.609, 311.695



91, 88.609, 125.299

Rectangle

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



51, 99.609, 311.695



51, 99.609, 1.695



51, 99.609, 131.695



51, 99.609, 181.695

Sweetspot

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



51, 99.608, 311.695



85, 29.619, 309.102



67, 48.868, 268.036



43, 20.124, 309.253



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, 99.608, 311.695



45, 116.123, 311.827



63, 99.571, 326.711



48, 7.757, 308.503



29, 100.131, 311.254



5, 43.215, 311.871

Inverse Universe

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



60, 74.314, 350.920



57, 82.490, 354.479



88, 101.017, 137.562



49, 6.399, 342.889



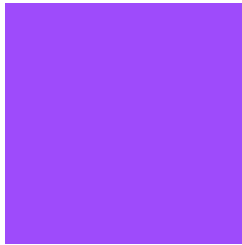
41, 67.960, 359.393



10, 31.358, 354.009

Previews

White Background



This preview shows how the CIELCh color 51, 99.609, 311.695 looks on a white background.

Color Contrast Check

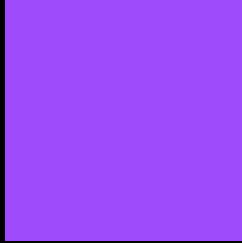
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 99.609, 311.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

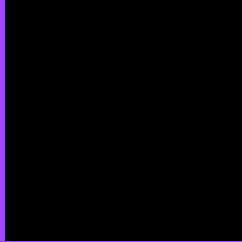
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 99.609, 311.695

Background



This preview shows how black text looks on a background with the CIELCh color 51, 99.609, 311.695.



This preview shows how white text looks on a background with the CIELCh color 51, 99.609, 311.695.

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, 99.609, 311.695

Protanopia
51, 76.203, 287.570

Deuteranopia
51, 54.781, 275.977



Tritanopia
51, 8.003, 339.430

Trichromacy



Original Color
51, 99.609, 311.695



Protanomaly
49, 85.504, 294.794



Deuteranomaly
48, 71.534, 291.095



Tritanomaly
50, 42.559, 313.148

Monochromacy



Original Color
51, 99.609, 311.695



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 39.038, 309.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 99.609, 311.695 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(158, 75, 251)` looks like.

```
.text, #text, p{  
    color:rgb(158, 75, 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(158, 75, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 75, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 99.609, 311.695 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(158, 75, 251) }
```

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

```
.border{ border-color:rgb(158, 75, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 75, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 75, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 75, 251);  
box-shadow:4px 4px 4px 4px rgb(158, 75,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 99.609, 311.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 75, 251) }
```

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

```
.background{ background-color: rgb(158, 75,  
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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