

# Converting Colors

CIELCh(51, 93.320, 311.660)

Have a look what the booklet for  
CIELCh(51, 93.320, 311.660)  
contains.

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**Color**

**CIELCh(51, 93.238, 311.611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9D50F3
RGB	157, 80, 243
RGB Percent	62%, 31%, 95%
CMY	0.3857, 0.6876, 0.0485
CMYK	0.35, 0.67, 0.00, 0.05
HSL	268°, 87%, 63%
HSV	268°, 67%, 95%
XYZ	32.7998, 19.2686, 86.4956
YIQ	121.6050, -6.4310, 67.0170

# Conversions

## Conversions Part 2

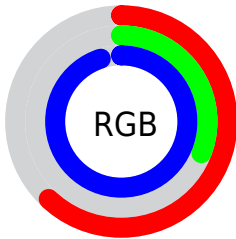
Format	Color
R <sub>Y</sub> B	157, 80, 243
Decimal	10309875
CIE Lab	51.00, 61.92, -69.71
CIE LCh	51, 93.238, 311.611
Yxy	19.2686, 0.2367, 0.1391
Android (android.graphics.Color)	4288499955 (0xFF9D50F3)
YUV	121.6050, 59.8477, 31.0414
Hunter-Lab	43.8960, 56.5600, -86.1016

# Details

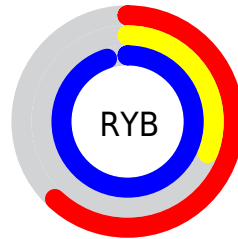
The CIELCh color **51, 93.238, 311.611** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **88, 83.405, 125.325**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 70.352, 317.046**, and **31, 93.399, 311.585** is the 20% darker color. If you saturate the color by 10%, you get **46, 105.020, 311.857**, and if you desaturate by 10%, it is **57, 79.870, 311.166**.

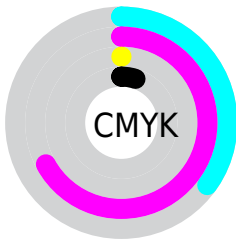
# Distribution



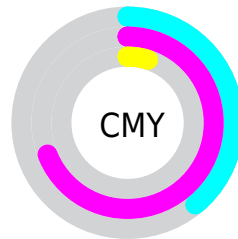
- Red (62%)
- Green (31%)
- Blue (95%)



- Red (62%)
- Yellow (31%)
- Blue (95%)



- Cyan (35%)
- Magenta (67%)
- Yellow (0%)
- Black (5%)




- Cyan (39%)
- Magenta (69%)
- Yellow (5%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 93.238, 311.611 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, 93.238, 311.611 by changing the saturation by 10% instead.





 51, 93.238,  
311.611


 51, 93.238,  
311.611


 100, 93.238,  
311.611


 41, 93.238,  
311.611


 71, 93.238,  
311.611

 31, 93.238,  
311.611

 81, 93.238,  
311.611

 21, 93.238,  
311.611

 91, 93.238,  
311.611

 11, 93.238,  
311.611

 1, 93.238, 311.611

 0, 93.238, 311.611

51, 93.238,  
311.611

51, 93.238,  
311.611

46, 105.020,  
311.857

57, 79.870,  
311.166

42, 114.187,  
311.779

63, 65.734,  
310.619

39, 119.882,  
311.271

70, 51.374,  
310.038

38, 121.124,  
311.094

77, 37.113,  
309.463

84, 23.130,  
308.918

91, 9.517, 308.410

98, 3.689, 128.007

100, 6.258,  
109.698



# Harmonies

# Complementary

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



51, 93.238, 311.611



88, 83.405, 125.325

# Rectangle

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



51, 93.238, 311.611



51, 93.238, 1.611



51, 93.238, 131.611



51, 93.238, 181.611

# Sweetspot

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



51, 93.237, 311.611



85, 28.173, 309.071



66, 45.732, 266.849



43, 19.296, 309.224



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, 93.237, 311.611



46, 113.292, 311.872



62, 94.157, 326.635



47, 7.627, 308.525



28, 99.097, 311.280



5, 41.417, 311.584



# Inverse Universe

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



59, 70.243, 350.324



58, 81.327, 353.664



85, 95.304, 137.865



48, 6.289, 342.923



40, 67.271, 359.416

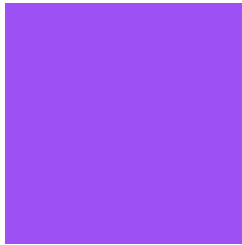


9, 30.539, 353.771



# Previews

## White Background



This preview shows how the CIELCh color 51, 93.238, 311.611 looks on a white background.

## Color Contrast Check

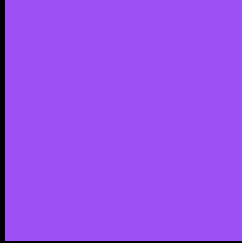
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.238, 311.611 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

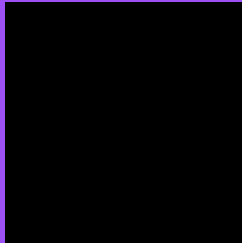
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 51, 93.238, 311.611

## Background



This preview shows how black text looks on a background with the CIELCh color 51, 93.238, 311.611.

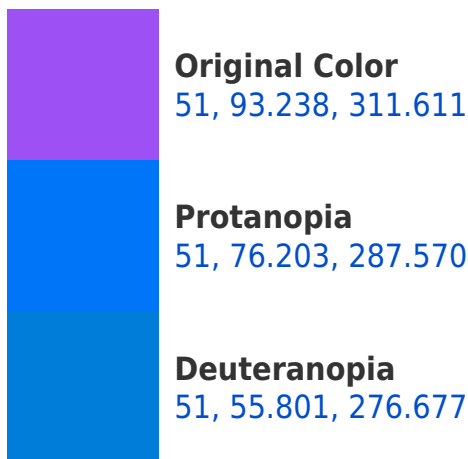


This preview shows how white text looks on a background with the CIELCh color 51, 93.238, 311.611.

# 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, 8.311, 341.317

# Trichromacy



**Original Color**  
51, 93.238, 311.611



**Protanomaly**  
49, 83.255, 294.222



**Deuteranomaly**  
48, 69.188, 290.076



**Tritanomaly**  
50, 40.391, 314.182

# Monochromacy



**Original Color**  
51, 93.238, 311.611



**Achromatopsia**  
51, 0.007, 296.813



**Achromatomaly**  
50, 36.045, 309.978

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 51, 93.238, 311.611 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(157, 80, 243)` looks like.

```
.text, #text, p{  
    color:rgb(157, 80, 243)  
}
```

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(157, 80, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 80, 243) }
```

## Border

The CSS property to change the border of an element to CIELCh 51, 93.238, 311.611 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(157, 80, 243) }
```

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

```
.border{ border-color:rgb(157, 80, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 80, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 80, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 80, 243);  
box-shadow:4px 4px 4px 4px rgb(157, 80,  
243) }
```

# Background

The CSS property to change the background color of an element to CIELCh 51, 93.238, 311.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 80, 243) }
```

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

```
.background{ background-color: rgb(157, 80,  
243) }
```

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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