

# Converting Colors

CIELCh(49, 105.977, 311.238)

Have a look what the booklet for  
CIELCh(49, 105.977, 311.238)  
contains.

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**Color**

**CIELCh(49, 105.977, 311.238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9742FF
RGB	151, 66, 255
RGB Percent	59%, 26%, 100%
CMY	0.4093, 0.7426, 0.0014
CMYK	0.41, 0.74, 0.00, 0.00
HSL	267°, 100%, 63%
HSV	267°, 74%, 100%
XYZ	32.6098, 17.5941, 95.9739
YIQ	112.9610, -10.0090, 76.7990

# Conversions

## Conversions Part 2

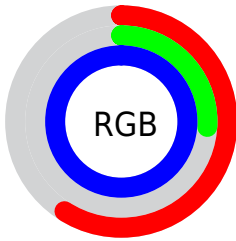
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	151, 66, 255
Decimal	9913087
CIE <sub>Lab</sub>	49.00, 69.86, -79.69
CIE <sub>LCh</sub>	49, 105.977, 311.238
Y <sub>xy</sub>	17.5941, 0.2231, 0.1204
Android (android.graphics.Color)	4288103167 (0xFF9742FF)
Y <sub>UV</sub>	112.9610, 70.0252, 33.3602
Hunter-Lab	41.9453, 65.3684, -106.2982

# Details

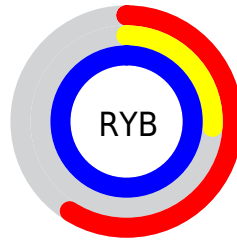
The CIELCh color **49, 105.977, 311.238** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 92.868, 124.545**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 77.082, 317.180**, and **30, 103.870, 310.808** is the 20% darker color. If you saturate the color by 10%, you get **44, 116.554, 311.311**, and if you desaturate by 10%, it is **55, 93.005, 310.876**.

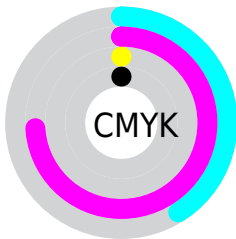
# Distribution



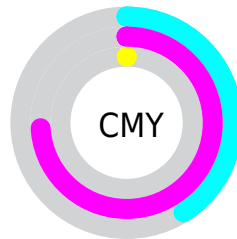
- Red (59%)
- Green (26%)
- Blue (100%)



- Red (59%)
- Yellow (26%)
- Blue (100%)



- Cyan (41%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (74%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 105.977, 311.238 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 49, 105.977, 311.238 by changing the saturation by 10% instead.





 49, 105.977,  
311.238


 49, 105.977,  
311.238


 100, 105.977,  
311.238


 39, 105.977,  
311.238


 69, 105.977,  
311.238


 29, 105.977,  
311.238


 79, 105.977,  
311.238


 19, 105.977,  
311.238


 89, 105.977,  
311.238

 9, 105.977,  
311.238

 99, 105.977,  
311.238

 0, 105.977,  
311.238

 49, 105.977,

 49, 105.977,

311.238

311.238

■ 44, 116.554,  
311.311

■ 55, 93.005,  
310.876

■ 41, 123.652,  
310.962

■ 61, 78.700,  
310.348

■ 39, 126.284,  
310.596

■ 68, 63.835,  
309.745

■ 75, 48.893,  
309.130

■ 82, 34.153,  
308.536

■ 89, 19.759,  
307.981

■ 97, 5.779, 307.465

100, 0.175,  
109.724



# Harmonies

# Complementary

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



49, 105.977, 311.238



92, 92.868, 124.545

# Rectangle

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



49, 105.977, 311.238



49, 105.977, 1.238



49, 105.977, 131.238



49, 105.977, 181.238

# Sweetspot

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



49, 105.977, 311.239



84, 30.961, 308.409



68, 49.402, 265.566



43, 20.884, 308.564



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 105.977, 311.239



42, 120.571, 311.203



62, 104.178, 325.694



49, 7.854, 307.736



29, 101.622, 310.787



6, 44.922, 311.507



# Inverse Universe

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



60, 78.580, 350.319



56, 84.535, 354.256



89, 105.513, 136.734



50, 6.605, 341.757



41, 69.054, 357.403

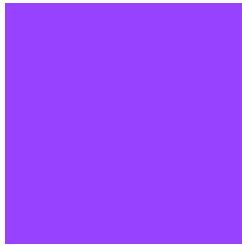


11, 32.432, 352.599



# Previews

## White Background



This preview shows how the CIELCh color 49, 105.977, 311.238 looks on a white background.

## Color Contrast Check

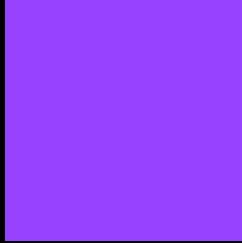
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 49, 105.977, 311.238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

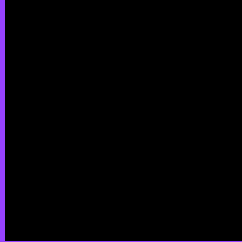
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 49, 105.977, 311.238**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 49, 105.977, 311.238.



This preview shows how white text looks on a background with the CIELCh color 49, 105.977, 311.238.

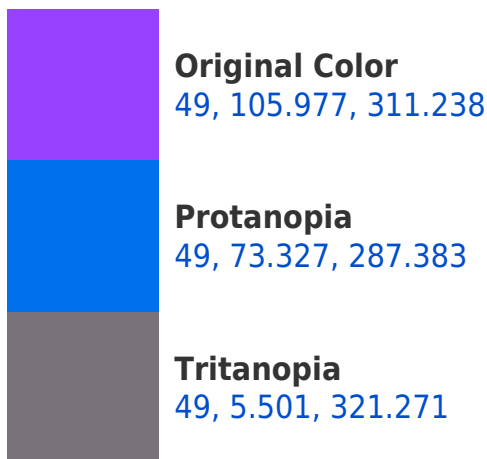




# Color Blindness Simulation

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**  
49, 105.977, 311.238

**Protanomaly**  
46, 86.678, 295.912

**Tritanomaly**  
47, 45.349, 310.800

# Monochromacy



**Original Color**  
49, 105.977, 311.238

**Achromatopsia**  
48, 0.006, 296.813

**Achromatomaly**  
46, 42.288, 309.514

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 105.977, 311.238 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(151, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 66, 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(151, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 66, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 105.977, 311.238 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(151, 66, 255) }
```

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

```
.border{ border-color:rgb(151, 66, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 66,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 105.977, 311.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 66, 255) }
```

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

```
.background{ background-color: rgb(151, 66,  
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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