

Converting Colors

CIELCh(49, 103.736, 309.930)

Have a look what the booklet for
CIELCh(49, 103.736, 309.930)
contains.

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Color

CIELCh(49, 103.477, 309.905)

Conversions

Conversions Part 1

Format	Color
Hex	9047FE
RGB	144, 71, 254
RGB Percent	56%, 28%, 100%
CMY	0.4352, 0.7215, 0.0039
CMYK	0.43, 0.72, 0.00, 0.00
HSL	264°, 99%, 64%
HSV	264°, 72%, 100%
XYZ	31.6478, 17.5941, 95.5029
YIQ	113.6890, -15.2350, 72.3890

Conversions

Conversions Part 2

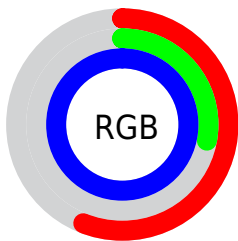
Format	Color
RYB	144, 71, 254
Decimal	9455614
CIELab	49.00, 66.38, -79.38
CIELCh	49, 103.477, 309.905
Yxy	17.5941, 0.2186, 0.1216
Android (android.graphics.Color)	4287645694 (0xFF9047FE)
YUV	113.6890, 69.1733, 26.5827
Hunter-Lab	41.9453, 61.2744, -105.6325

Details

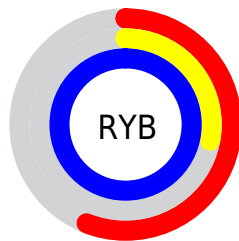
The CIELCh color **49, 103.477, 309.905** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 89.457, 122.559**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 74.947, 315.237**, and **29, 103.581, 309.905** is the 20% darker color. If you saturate the color by 10%, you get **44, 115.064, 310.181**, and if you desaturate by 10%, it is **55, 89.827, 309.372**.

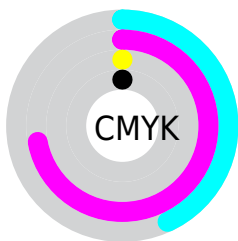
Distribution



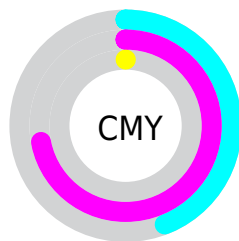
- Red (56%)
- Green (28%)
- Blue (100%)



- Red (56%)
- Yellow (28%)
- Blue (100%)



- Cyan (43%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (72%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 103.477, 309.905 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, 103.477, 309.905 by changing the saturation by 10% instead.


 49, 103.477,
309.905


 49, 103.477,
309.905


 100, 103.477,
309.905


 39, 103.477,
309.905


 69, 103.477,
309.905


 29, 103.477,
309.905


 79, 103.477,
309.905

 19, 103.477,
309.905


 89, 103.477,
309.905

 9, 103.477,
309.905

 99, 103.477,
309.905

 0, 103.477,
309.905

 49, 103.477,

 49, 103.477,

309.905

44, 115.064,
310.181

40, 123.356,
310.047

38, 127.392,
309.641

309.905

55, 89.827,
309.372

62, 75.162,
308.710

69, 60.178,
308.008

76, 45.282,
307.319

83, 30.689,
306.672

91, 16.503,
306.082

98, 2.764, 305.526

100, 0.490,
109.983

Harmonies

Complementary

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



49, 103.477, 309.905



92, 89.457, 122.559

Rectangle

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



49, 103.477, 309.905



49, 103.477, 359.905



49, 103.477, 129.905



49, 103.477, 179.905

Sweetspot

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



49, 103.477, 309.906



84, 30.722, 306.670



71, 44.826, 257.741



42, 20.729, 306.840



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, 103.477, 309.906



42, 119.167, 310.185



61, 101.925, 324.038



49, 7.783, 305.941



28, 102.696, 309.821



5, 44.895, 310.163

Inverse Universe

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



61, 79.094, 346.508



57, 85.758, 349.474



89, 102.152, 136.116



50, 6.842, 339.268



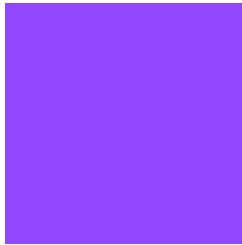
42, 70.393, 352.885



11, 33.168, 348.879

Previews

White Background



This preview shows how the CIELCh color 49, 103.477, 309.905 looks on a white background.

Color Contrast Check

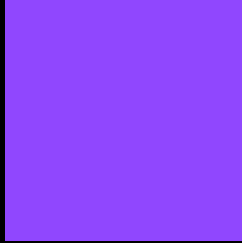
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 103.477, 309.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

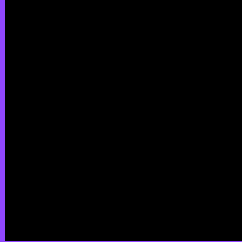
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 103.477, 309.905

Background



This preview shows how black text looks on a background with the CIELCh color 49, 103.477, 309.905.

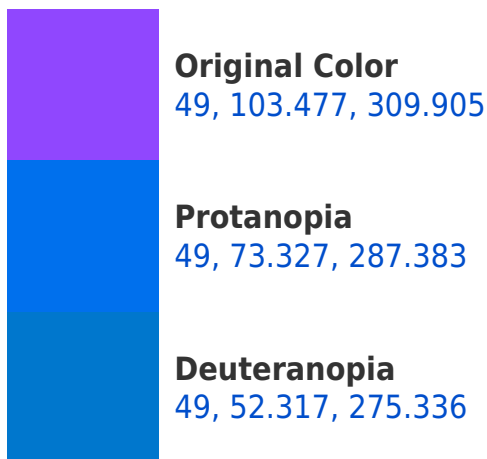



This preview shows how white text looks on a background with the CIELCh color 49, 103.477, 309.905.

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
49, 5.396, 278.394

Trichromacy



Original Color
49, 103.477, 309.905



Protanomaly
47, 85.471, 295.176



Deuteranomaly
46, 71.363, 291.277



Tritanomaly
47, 43.352, 305.849

Monochromacy



Original Color
49, 103.477, 309.905



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 40.821, 307.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 103.477, 309.905 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(144, 71, 254)` looks like.

```
.text, #text, p{  
    color:rgb(144, 71, 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(144, 71, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 71, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 103.477, 309.905 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(144, 71, 254) }
```

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

```
.border{ border-color:rgb(144, 71, 254) }
```

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

Here you see how a box with a 4 pixel rgb(144, 71, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 71, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 71, 254);  
box-shadow:4px 4px 4px 4px rgb(144, 71,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 103.477, 309.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 71, 254) }
```

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

```
.background{ background-color: rgb(144, 71,  
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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