

Converting Colors

CIELCh(49, 92.442, 311.629)

Have a look what the booklet for
CIELCh(49, 92.442, 311.629)
contains.

CIELCh(49, 92.482, 311.638)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(49, 92.482, 311.638)

Conversions

Conversions Part 1

Format	Color
Hex	974BEC
RGB	151, 75, 236
RGB Percent	59%, 29%, 93%
CMY	0.4089, 0.7068, 0.0755
CMYK	0.36, 0.68, 0.00, 0.08
HSL	268°, 81%, 61%
HSV	268°, 68%, 92%
XYZ	30.3149, 17.5941, 80.9552
YIQ	116.0780, -6.3850, 66.1830

Conversions

Conversions Part 2

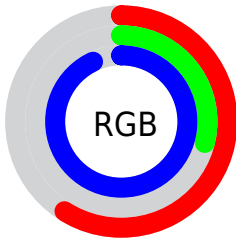
Format	Color
RYB	151, 75, 236
Decimal	9915372
CIELab	49.00, 61.45, -69.12
CIElCh	49, 92.482, 311.638
Yxy	17.5941, 0.2352, 0.1365
Android (android.graphics.Color)	4288105452 (0xFF974BEC)
YUV	116.0780, 59.1215, 30.6266
Hunter-Lab	41.9453, 55.6022, -85.0691

Details

The CIELCh color **49, 92.482, 311.638** 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 **86, 82.573, 125.309**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 72.893, 316.032**, and **29, 92.472, 311.623** is the 20% darker color. If you saturate the color by 10%, you get **44, 103.785, 311.858**, and if you desaturate by 10%, it is **55, 79.538, 311.209**.

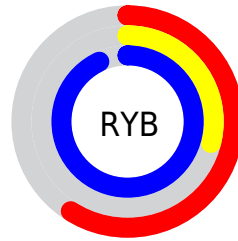
Distribution



Red (59%)

Green (29%)

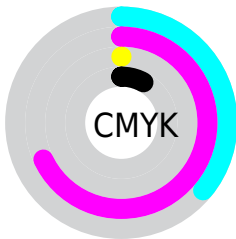
Blue (93%)



Red (59%)

Yellow (29%)

Blue (93%)

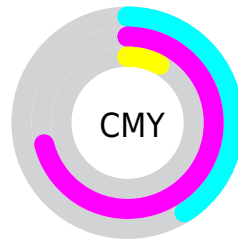


Cyan (36%)

Magenta (68%)

Yellow (0%)

Black (8%)



Cyan (41%)

Magenta (71%)

Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 92.482, 311.638 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, 92.482, 311.638 by changing the saturation by 10% instead.


 49, 92.482,
311.638

 49, 92.482,
311.638


 100, 92.482,
311.638

 39, 92.482,
311.638

 69, 92.482,
311.638

 29, 92.482,
311.638

 79, 92.482,
311.638

 19, 92.482,
311.638

 89, 92.482,
311.638

 9, 92.482, 311.638

 99, 92.482,
311.638

 0, 92.482, 311.638

 49, 92.482,

 49, 92.482,

311.638

311.638

■ 44, 103.785,
311.858

■ 55, 79.538,
311.209

■ 40, 112.436,
311.742

■ 61, 65.777,
310.669

■ 37, 117.742,
311.206

■ 67, 51.753,
310.089

■ 37, 118.500,
311.105

■ 74, 37.801,
309.512

■ 81, 24.107,
308.964

■ 88, 10.767,
308.454

■ 94, 2.178, 128.066

■ 99, 9.915, 119.173

100, 9.750,
109.439

Harmonies

Complementary

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



49, 92.482, 311.638



86, 82.573, 125.309

Rectangle

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



49, 92.482, 311.638



49, 92.482, 1.638



49, 92.482, 131.638



49, 92.482, 181.638

Sweetspot

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



49, 92.481, 311.638



85, 28.171, 309.060



64, 45.357, 267.234



43, 19.295, 309.213



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, 92.481, 311.638



46, 114.270, 311.858



60, 93.083, 326.661



45, 7.364, 308.512



28, 97.057, 311.295



4, 37.534, 310.672

Inverse Universe

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



57, 69.457, 350.508



58, 81.744, 353.921



83, 94.287, 137.764



46, 6.074, 342.902



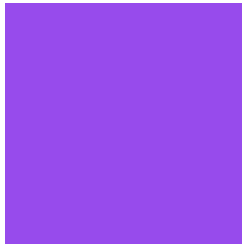
39, 65.917, 359.299



8, 28.895, 353.111

Previews

White Background



This preview shows how the CIELCh color 49, 92.482, 311.638 looks on a white background.

Color Contrast Check

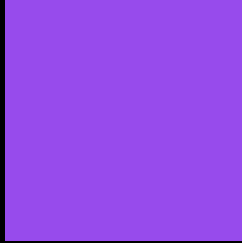
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.482, 311.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

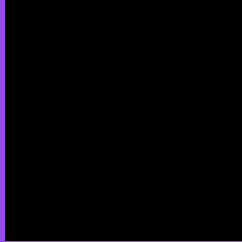
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 92.482, 311.638

Background



This preview shows how black text looks on a background with the CIELCh color 49, 92.482, 311.638.

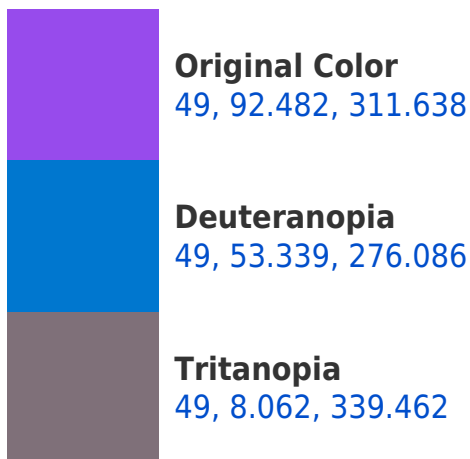


This preview shows how white text looks on a background with the CIELCh color 49, 92.482, 311.638.

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, 92.482, 311.638

Deuteranomaly
46, 67.358, 290.314

Tritanomaly
48, 40.546, 313.740

Monochromacy



Original Color
49, 92.482, 311.638

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 36.289, 310.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 92.482, 311.638 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, 75, 236)` looks like.

```
.text, #text, p{  
    color:rgb(151, 75, 236)  
}
```

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, 75, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 75, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 92.482, 311.638 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, 75, 236) }
```

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

```
.border{ border-color:rgb(151, 75, 236) }
```

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

Here you see how a box with a 4 pixel rgb(151, 75, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 75, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 75, 236);  
box-shadow:4px 4px 4px 4px rgb(151, 75,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 92.482, 311.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 75, 236) }
```

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

```
.background{ background-color: rgb(151, 75,  
236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor