

Converting Colors

CIELCh(49, 103.182, 315.654)

Have a look what the booklet for
CIELCh(49, 103.182, 315.654)
contains.

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Color

CIELCh(49, 103.182, 315.654)

Conversions

Conversions Part 1

Format	Color
Hex	A937F1
RGB	169, 55, 241
RGB Percent	66%, 22%, 95%
CMY	0.3361, 0.7831, 0.0538
CMYK	0.30, 0.77, 0.00, 0.05
HSL	277°, 87%, 58%
HSV	277°, 77%, 95%
XYZ	33.7206, 17.5941, 85.0517
YIQ	110.2900, 8.2380, 82.0140

Conversions

Conversions Part 2

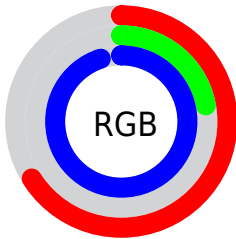
Format	Color
R _Y B	169, 55, 241
Decimal	11089905
CIE Lab	49.00, 73.79, -72.12
CIE LCh	49, 103.182, 315.654
Yxy	17.5941, 0.2473, 0.1290
Android (android.graphics.Color)	4289279985 (0xFFA937F1)
YUV	110.2900, 64.4400, 51.4887
Hunter-Lab	41.9453, 70.0952, -90.8597

Details

The CIELCh color **49, 103.182, 315.654** 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 **86, 95.813, 129.975**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 82.587, 321.588**, and **31, 95.633, 314.352** is the 20% darker color. If you saturate the color by 10%, you get **45, 111.188, 315.405**, and if you desaturate by 10%, it is **54, 92.471, 315.613**.

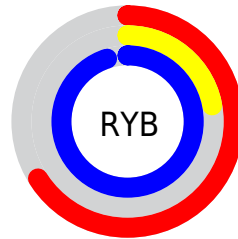
Distribution



Red (66%)

Green (22%)

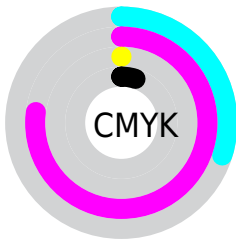
Blue (95%)



Red (66%)

Yellow (22%)

Blue (95%)

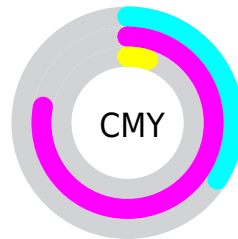


Cyan (30%)

Magenta (77%)

Yellow (0%)

Black (5%)



Cyan (34%)


Magenta (78%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 103.182, 315.654 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, 103.182, 315.654 by changing the saturation by 10% instead.


 49, 103.182,
315.654


 49, 103.182,
315.654


 100, 103.182,
315.654


 39, 103.182,
315.654


 69, 103.182,
315.654


 29, 103.182,
315.654


 79, 103.182,
315.654

 19, 103.182,
315.654

 89, 103.182,
315.654

 9, 103.182,
315.654

 99, 103.182,
315.654


 0, 103.182,
315.654


 49, 103.182,


 49, 103.182,


315.654


315.654


 45, 111.188,
315.405


 54, 92.471,
315.613


 43, 115.941,
314.795


 59, 79.895,
315.368

 42, 116.979,
314.585

 65, 66.224,
314.999

 71, 52.041,
314.562

 77, 37.738,
314.101

 84, 23.560,
313.639

 90, 9.651, 313.189

 97, 3.912, 132.842

100, 6.980,
114.498

Harmonies

Complementary

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



49, 103.182, 315.654



86, 95.813, 129.975

Rectangle

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



49, 103.182, 315.654



49, 103.182, 5.654



49, 103.182, 135.654



49, 103.182, 185.654

Sweetspot

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



49, 103.181, 315.654



84, 33.396, 313.914



55, 64.518, 284.007



42, 23.195, 314.083



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, 103.181, 315.654



47, 118.945, 315.134



59, 95.376, 331.629



47, 7.727, 313.296



32, 95.179, 314.771



6, 39.988, 315.695

Inverse Universe

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



55, 73.194, 3.524



55, 83.116, 9.921



84, 99.572, 139.367



47, 5.648, 351.035



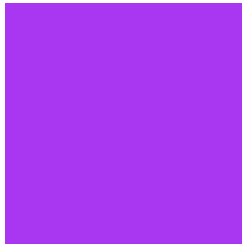
39, 66.429, 12.892



8, 28.808, 4.428

Previews

White Background



This preview shows how the CIELCh color 49, 103.182, 315.654 looks on a white background.

Color Contrast Check

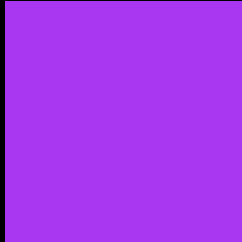
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.182, 315.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

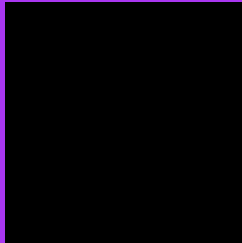
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 103.182, 315.654

Background



This preview shows how black text looks on a background with the CIELCh color 49, 103.182, 315.654.

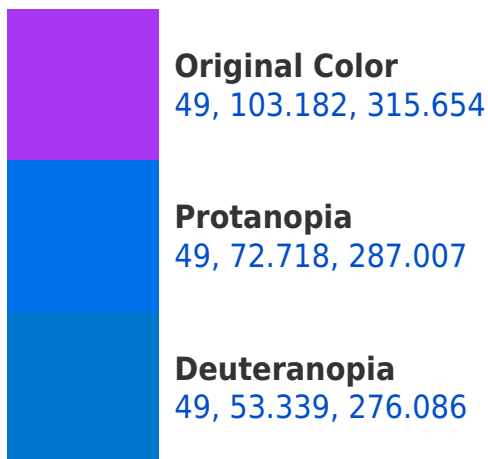


This preview shows how white text looks on a background with the CIELCh color 49, 103.182, 315.654.

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, 18.188, 6.999

Trichromacy



Original Color
49, 103.182, 315.654



Protanomaly
46, 86.272, 296.886



Deuteranomaly
45, 72.768, 293.848



Tritanomaly
47, 48.414, 324.756

Monochromacy



Original Color
49, 103.182, 315.654



Achromatopsia
47, 0.006, 296.813



Achromatomaly
45, 42.240, 314.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 103.182, 315.654 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(169, 55, 241)` looks like.

```
.text, #text, p{  
    color:rgb(169, 55, 241)  
}
```

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(169, 55, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 55, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 103.182, 315.654 is called "border". The border property can be set on classes, ids or directly on the HTML element.

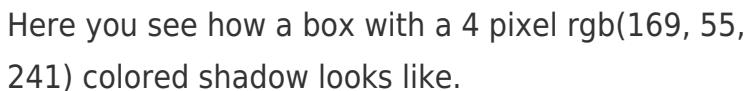
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 55, 241) }
```

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

```
.border{ border-color:rgb(169, 55, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 55, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 55, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 55, 241);  
box-shadow:4px 4px 4px 4px rgb(169, 55,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 103.182, 315.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 55, 241) }
```

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

```
.background{ background-color: rgb(169, 55,  
241) }
```

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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