

Converting Colors

CIELCh(49, 99.797, 312.964)

Have a look what the booklet for
CIELCh(49, 99.797, 312.964)
contains.

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Color

CIELCh(49, 100.027, 312.895)

Conversions

Conversions Part 1

Format	Color
Hex	9D42F3
RGB	157, 66, 243
RGB Percent	62%, 26%, 95%
CMY	0.3835, 0.7404, 0.0462
CMYK	0.35, 0.73, 0.00, 0.05
HSL	271°, 88%, 61%
HSV	271°, 73%, 95%
XYZ	32.1163, 17.5941, 86.6644
YIQ	113.3870, -2.5810, 74.3390

Conversions

Conversions Part 2

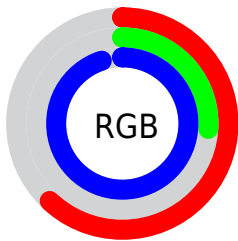
Format	Color
R _Y B	157, 66, 243
Decimal	10306291
CIE Lab	49.00, 68.08, -73.28
CIE LCh	49, 100.027, 312.895
Yxy	17.5941, 0.2355, 0.1290
Android (android.graphics.Color)	4288496371 (0xFF9D42F3)
YUV	113.3870, 63.8992, 38.2486
Hunter-Lab	41.9453, 63.2683, -93.1391

Details

The CIELCh color **49, 100.027, 312.895** 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 **88, 89.951, 126.816**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 77.390, 318.348**, and **30, 97.995, 312.392** is the 20% darker color. If you saturate the color by 10%, you get **45, 110.150, 312.898**, and if you desaturate by 10%, it is **54, 87.684, 312.627**.

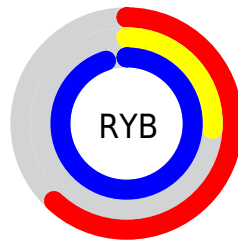
Distribution



Red (62%)

Green (26%)

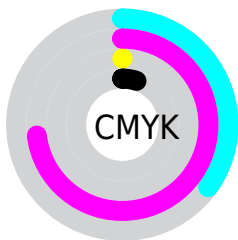
Blue (95%)



Red (62%)

Yellow (26%)

Blue (95%)

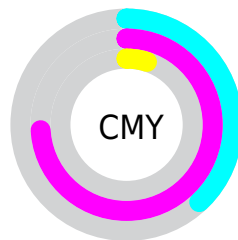


Cyan (35%)

Magenta (73%)

Yellow (0%)

Black (5%)



Cyan (38%)


Magenta (74%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 100.027, 312.895 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, 100.027, 312.895 by changing the saturation by 10% instead.


 49, 100.027,
312.895


 49, 100.027,
312.895


 100, 100.027,
312.895


 39, 100.027,
312.895


 69, 100.027,
312.895


 29, 100.027,
312.895


 79, 100.027,
312.895

 19, 100.027,
312.895

 89, 100.027,
312.895

 9, 100.027,
312.895

 99, 100.027,
312.895

 0, 100.027,
312.895

 49, 100.027,

 49, 100.027,

312.895

■ 45, 110.150,
312.898

■ 41, 117.115,
312.521

■ 39, 120.240,
312.030

312.895

■ 54, 87.684,
312.627

■ 60, 74.048,
312.199

■ 67, 59.817,
311.691

■ 73, 45.450,
311.157

■ 80, 31.220,
310.631

■ 87, 17.281,
310.131

■ 94, 3.710, 309.644

■ 99, 6.091, 120.635

100, 5.966,
109.719

Harmonies

Complementary

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



49, 100.027, 312.895



88, 89.951, 126.816

Rectangle

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



49, 100.027, 312.895



49, 100.027, 2.895



49, 100.027, 132.895



49, 100.027, 182.895

Sweetspot

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



49, 100.026, 312.895



84, 31.304, 310.594



63, 51.962, 272.864



43, 21.106, 310.734



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, 100.026, 312.895



45, 117.827, 312.783



61, 99.600, 327.863



47, 7.692, 309.973



29, 98.209, 312.219



5, 41.521, 312.850

Inverse Universe

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



57, 72.922, 354.540



56, 82.336, 358.952



85, 101.660, 137.745



48, 6.114, 345.185



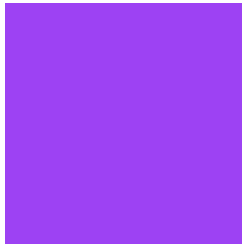
40, 66.769, 3.378



9, 30.131, 357.012

Previews

White Background



This preview shows how the CIELCh color 49, 100.027, 312.895 looks on a white background.

Color Contrast Check

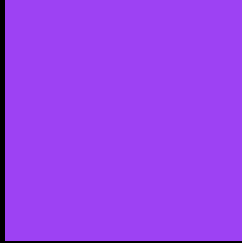
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.027, 312.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

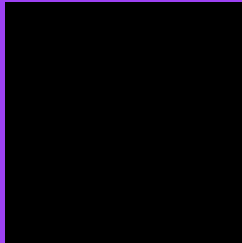
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 100.027, 312.895

Background



This preview shows how black text looks on a background with the CIELCh color 49, 100.027, 312.895.



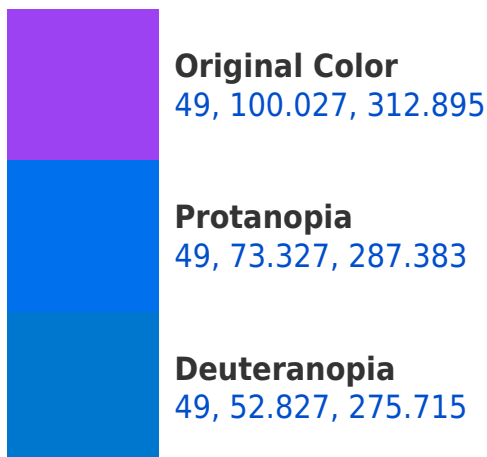
This preview shows how white text looks on a background with the CIELCh color 49, 100.027, 312.895.


312.895.

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, 10.780, 351.515

Trichromacy



Original Color
49, 100.027, 312.895

Protanomaly
46, 84.478, 295.706

Deuteranomaly
46, 70.876, 292.069

Tritanomaly
48, 44.320, 317.067

Monochromacy



Original Color
49, 100.027, 312.895

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 39.632, 311.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 100.027, 312.895 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, 66, 243)` looks like.

```
.text, #text, p{  
    color:rgb(157, 66, 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, 66, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 66, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 100.027, 312.895 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, 66, 243) }
```

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

```
.border{ border-color:rgb(157, 66, 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, 66, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 66, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 66, 243);  
box-shadow:4px 4px 4px 4px rgb(157, 66,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 100.027, 312.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 66, 243) }
```

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

```
.background{ background-color: rgb(157, 66,  
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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