

Converting Colors

CIELCh(49, 101.916, 313.762)

Have a look what the booklet for
CIELCh(49, 101.916, 313.762)
contains.

CIELCh(49, 102.098, 313.726)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(49, 102.098, 313.726)

Conversions

Conversions Part 1

Format	Color
Hex	A13EF4
RGB	161, 62, 244
RGB Percent	63%, 24%, 96%
CMY	0.3680, 0.7563, 0.0426
CMYK	0.34, 0.75, 0.00, 0.04
HSL	273°, 89%, 60%
HSV	273°, 75%, 96%
XYZ	32.8094, 17.5941, 87.3697
YIQ	112.3490, 0.5820, 77.5900

Conversions

Conversions Part 2

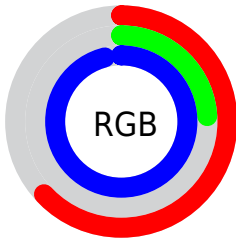
Format	Color
R_{YB}	161, 62, 244
Decimal	10567412
CIE _{Lab}	49.00, 70.57, -73.78
CIE _{LCh}	49, 102.098, 313.726
Yxy	17.5941, 0.2381, 0.1277
Android (android.graphics.Color)	4288757492 (0xFFA13EF4)
YUV	112.3490, 64.9039, 42.6669
Hunter-Lab	41.9453, 66.2175, -94.1361

Details

The CIELCh color **49, 102.098, 313.726** 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, 92.610, 127.832**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 79.334, 319.493**, and **30, 97.997, 312.839** is the 20% darker color. If you saturate the color by 10%, you get **45, 111.503, 313.625**, and if you desaturate by 10%, it is **54, 90.250, 313.545**.

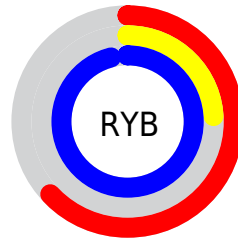
Distribution



Red (63%)

Green (24%)

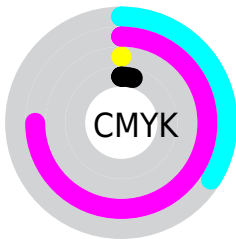
Blue (96%)



Red (63%)

Yellow (24%)

Blue (96%)

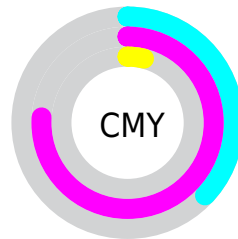


Cyan (34%)

Magenta (75%)

Yellow (0%)

Black (4%)



Cyan (37%)


Magenta (76%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 102.098, 313.726 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, 102.098, 313.726 by changing the saturation by 10% instead.


 49, 102.098,
313.726


 49, 102.098,
313.726


 100, 102.098,
313.726


 39, 102.098,
313.726


 69, 102.098,
313.726


 29, 102.098,
313.726


 79, 102.098,
313.726


 19, 102.098,
313.726


 89, 102.098,
313.726

 9, 102.098,
313.726

 99, 102.098,
313.726

 0, 102.098,
313.726

 49, 102.098,

 49, 102.098,

313.726

■ 45, 111.503,
313.625

■ 42, 117.632,
313.141

■ 40, 119.807,
312.748

313.726

■ 54, 90.250,
313.545

■ 60, 76.885,
313.183

■ 66, 62.746,
312.723

■ 73, 48.345,
312.221

■ 79, 34.001,
311.716

■ 86, 19.899,
311.228

■ 93, 6.138, 310.759

■ 99, 5.770, 126.784

100, 5.493,
109.753

Harmonies

Complementary

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



49, 102.098, 313.726



88, 92.610, 127.832

Rectangle

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



49, 102.098, 313.726



49, 102.098, 3.726



49, 102.098, 133.726



49, 102.098, 183.726

Sweetspot

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



49, 102.097, 313.726



84, 31.477, 311.592



60, 56.341, 277.045



43, 21.218, 311.727



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, 102.097, 313.726



45, 118.648, 313.452



61, 99.021, 329.034



47, 7.740, 310.991



30, 97.581, 312.938



6, 41.580, 313.760

Inverse Universe

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



57, 73.483, 357.260



56, 82.407, 2.303



85, 101.882, 138.218



48, 5.997, 346.874



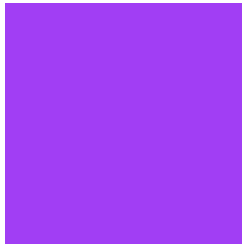
40, 66.644, 6.253



9, 29.911, 359.395

Previews

White Background



This preview shows how the CIELCh color 49, 102.098, 313.726 looks on a white background.

Color Contrast Check

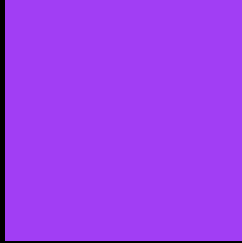
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.098, 313.726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

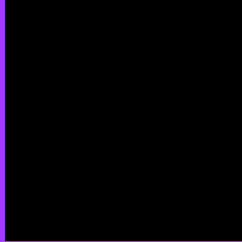
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 102.098, 313.726

Background



This preview shows how black text looks on a background with the CIELCh color 49, 102.098, 313.726.



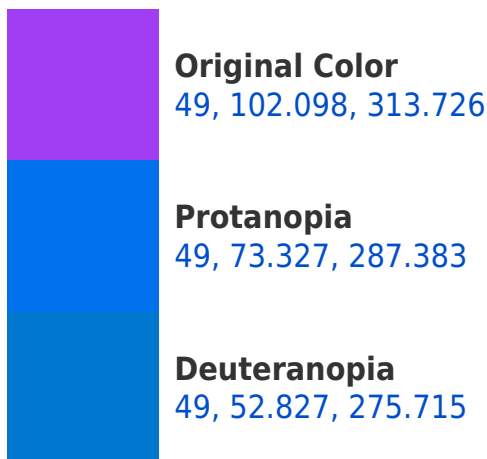
This preview shows how white text looks on a background with the CIELCh color 49, 102.098, 313.726.


313.726.

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, 12.450, 358.960

Trichromacy



Original Color
49, 102.098, 313.726



Protanomaly
46, 85.614, 296.215



Deuteranomaly
45, 72.106, 292.971



Tritanomaly
48, 45.553, 319.442

Monochromacy



Original Color
49, 102.098, 313.726



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 41.118, 312.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 102.098, 313.726 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(161, 62, 244)` looks like.

```
.text, #text, p{  
    color:rgb(161, 62, 244)  
}
```

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(161, 62, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 62, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 102.098, 313.726 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(161, 62, 244) }
```

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

```
.border{ border-color:rgb(161, 62, 244) }
```

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

Here you see how a box with a 4 pixel rgb(161, 62, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 62, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 62, 244);  
box-shadow:4px 4px 4px 4px rgb(161, 62,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 102.098, 313.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 62, 244) }
```

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

```
.background{ background-color: rgb(161, 62,  
244) }
```

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