

Converting Colors

CIELCh(49, 101.003, 307.141)

Have a look what the booklet for
CIELCh(49, 101.003, 307.141)
contains.

CIELCh(49, 100.440, 307.145)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 100.440, 307.145)

Conversions

Conversions Part 1

Format	Color
Hex	824FFF
RGB	130, 79, 255
RGB Percent	51%, 31%, 100%
CMY	0.4896, 0.6897, 0.0000
CMYK	0.49, 0.69, 0.00, 0.00
HSL	257°, 100%, 66%
HSV	257°, 69%, 100%
XYZ	30.1030, 17.5941, 96.5296
YIQ	114.3130, -26.1000, 65.5480

Conversions

Conversions Part 2

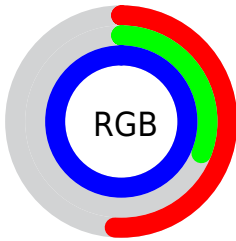
Format	Color
R _Y B	130, 79, 255
Decimal	8540159
CIE Lab	49.00, 60.65, -80.06
CIE LCh	49, 100.440, 307.145
Yxy	17.5941, 0.2087, 0.1220
Android (android.graphics.Color)	4286730239 (0xFF824FFF)
YUV	114.3130, 69.3587, 13.7575
Hunter-Lab	41.9453, 54.7003, -107.0836

Details

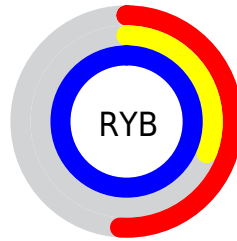
The CIELCh color **49, 100.440, 307.145** is a light color, and the websafe version is hex **9966FF**. The color can be described as light washed purple. A complement of this color would be **94, 84.583, 117.986**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 70.074, 310.915**, and **29, 100.584, 307.201** is the 20% darker color. If you saturate the color by 10%, you get **43, 113.544, 307.871**, and if you desaturate by 10%, it is **56, 85.674, 306.234**.

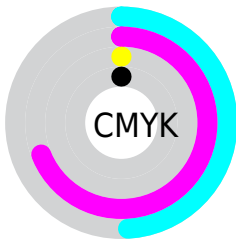
Distribution



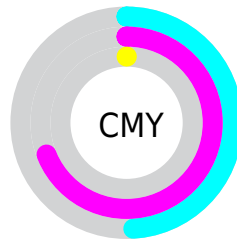
- Red (51%)
- Green (31%)
- Blue (100%)



- Red (51%)
- Yellow (31%)
- Blue (100%)



- Cyan (49%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (69%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 100.440, 307.145 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, 100.440, 307.145 by changing the saturation by 10% instead.


 49, 100.440,
307.145


 49, 100.440,
307.145


 100, 100.440,
307.145


 39, 100.440,
307.145


 69, 100.440,
307.145


 29, 100.440,
307.145


 79, 100.440,
307.145


 19, 100.440,
307.145

 89, 100.440,
307.145

 9, 100.440,
307.145

 99, 100.440,
307.145

 0, 100.440,
307.145

 49, 100.440,

 49, 100.440,

307.145

■ 43, 113.544,
307.871

■ 39, 123.749,
308.214

■ 36, 129.860,
308.050

■ 35, 130.374,
308.029

307.145

■ 56, 85.674,
306.234

■ 63, 70.446,
305.265

■ 70, 55.260,
304.323

■ 78, 40.401,
303.451

■ 85, 25.992,
302.667

■ 93, 12.077,
301.972

■ 100, 0.012,
296.813

Harmonies

Complementary

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



49, 100.440, 307.145



94, 84.583, 117.986

Rectangle

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



49, 100.440, 307.145



49, 100.440, 357.145



49, 100.440, 127.145



49, 100.440, 177.145

Sweetspot

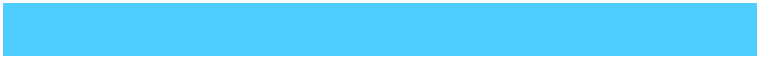
The Sweet Spot groups the original color and five complimentary colors.



49, 100.373, 307.149



84, 28.872, 302.818



78, 39.604, 240.685



43, 19.638, 303.031



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, 100.373, 307.149



41, 118.097, 308.066



59, 98.944, 320.830



49, 7.658, 302.007



26, 104.797, 308.179



5, 44.735, 307.478

Inverse Universe

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



63, 82.373, 339.758



59, 90.323, 341.611



90, 96.849, 134.338



50, 7.392, 334.507



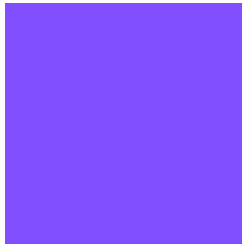
43, 74.790, 344.213



11, 35.225, 341.755

Previews

White Background



This preview shows how the CIELCh color 49, 100.440, 307.145 looks on a white background.

Color Contrast Check

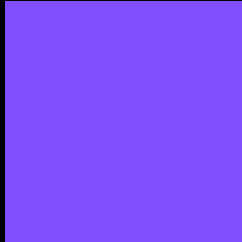
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.440, 307.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

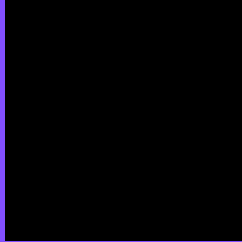
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 100.440, 307.145

Background



This preview shows how black text looks on a background with the CIELCh color 49, 100.440, 307.145.

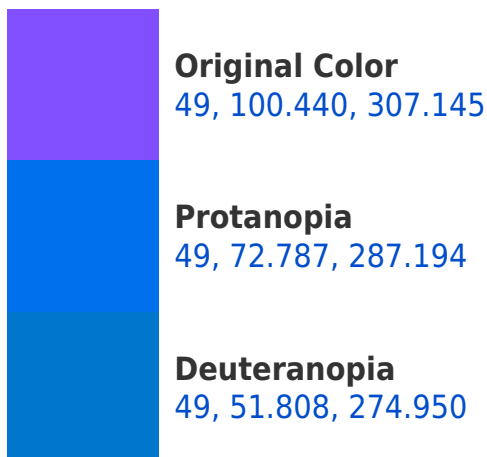


This preview shows how white text looks on a background with the CIELCh color 49, 100.440,

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, 10.713, 232.057

Trichromacy



Original Color
49, 100.440, 307.145



Protanomaly
47, 83.660, 294.018



Deuteranomaly
47, 70.190, 290.090



Tritanomaly
47, 41.391, 296.718

Monochromacy



Original Color
49, 100.440, 307.145



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 38.547, 304.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 100.440, 307.145 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(130, 79, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 79, 255)  
}
```

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(130, 79, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 79, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 100.440, 307.145 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(130, 79, 255) }
```

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

```
.border{ border-color:rgb(130, 79, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 79, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 79, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 79, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 79,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 100.440, 307.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 79, 255) }
```

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

```
.background{ background-color: rgb(130, 79,  
255) }
```

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