

# Converting Colors

CIELCh(49, 84.353, 309.332)

Have a look what the booklet for  
CIELCh(49, 84.353, 309.332)  
contains.

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**Color**

**CIELCh(49, 84.270, 309.272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8D54E5
RGB	141, 84, 229
RGB Percent	55%, 33%, 90%
CMY	0.4480, 0.6714, 0.1029
CMYK	0.38, 0.63, 0.00, 0.10
HSL	264°, 73%, 61%
HSV	264°, 63%, 90%
XYZ	28.2083, 17.5941, 75.8655
YIQ	117.5730, -12.5730, 57.1790

# Conversions

## Conversions Part 2

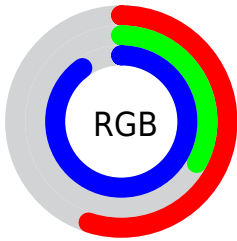
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 84, 229
Decimal	9262309
CIE <sub>Lab</sub>	49.00, 53.34, -65.24
CIE <sub>LCh</sub>	49, 84.270, 309.272
Yxy	17.5941, 0.2318, 0.1446
Android (android.graphics.Color)	4287452389 (0xFF8D54E5)
YUV	117.5730, 54.9335, 20.5455
Hunter-Lab	41.9453, 46.6374, -77.8749

# Details

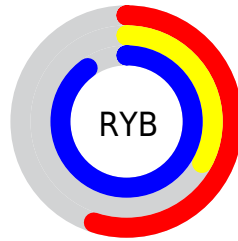
The CIELCh color **49, 84.270, 309.272** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **85, 74.274, 122.356**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 68.048, 312.376**, and **29, 84.176, 309.384** is the 20% darker color. If you saturate the color by 10%, you get **43, 96.713, 309.801**, and if you desaturate by 10%, it is **55, 70.833, 308.608**.

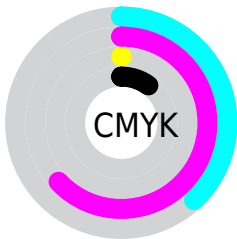
# Distribution



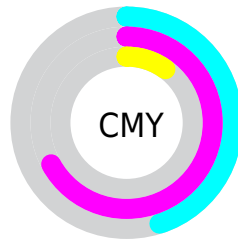
- Red (55%)
- Green (33%)
- Blue (90%)



- Red (55%)
- Yellow (33%)
- Blue (90%)



- Cyan (38%)
- Magenta (63%)
- Yellow (0%)
- Black (10%)



- Cyan (45%)
- Magenta (67%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 84.270, 309.272 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, 84.270, 309.272 by changing the saturation by 10% instead.



 49, 84.270,  
309.272

 49, 84.270,  
309.272

 100, 84.270,  
309.272

 39, 84.270,  
309.272

 69, 84.270,  
309.272

 29, 84.270,  
309.272

 79, 84.270,  
309.272

 19, 84.270,  
309.272

 89, 84.270,  
309.272

 9, 84.270, 309.272


 99, 84.270,  
309.272


 0, 84.270, 309.272


 49, 84.270,


 49, 84.270,

309.272


 43, 96.713,  
309.801


 39, 107.180,  
310.061


 35, 114.542,  
309.903


 34, 117.757,  
309.598


309.272

 55, 70.833,  
308.608

 62, 57.066,  
307.898


 68, 43.359,  
307.200


 75, 29.920,  
306.544

 82, 16.849,  
305.944

 89, 4.186, 305.392

 95, 8.058, 124.951

 99, 13.339,  
114.074

 99, 13.277,  
109.174

# Harmonies

# Complementary

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



49, 84.270, 309.272



85, 74.274, 122.356

# Rectangle

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



49, 84.270, 309.272



49, 84.270, 359.272



49, 84.270, 129.272



49, 84.270, 179.272

# Sweetspot

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



49, 84.269, 309.272



86, 26.384, 306.281



68, 37.249, 254.355



44, 18.241, 306.458



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, 84.269, 309.272



47, 108.775, 309.917



58, 85.467, 323.894



44, 7.130, 305.724



25, 97.619, 309.769



4, 34.977, 307.279



# Inverse Universe

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



58, 66.974, 344.660



60, 81.960, 346.872



81, 85.206, 136.773



45, 6.301, 338.981



39, 67.110, 352.214

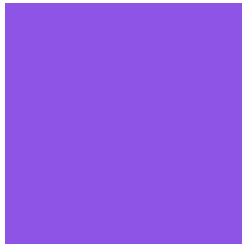


7, 28.958, 347.320



# Previews

## White Background



This preview shows how the CIELCh color 49, 84.270, 309.272 looks on a white background.

## Color Contrast Check

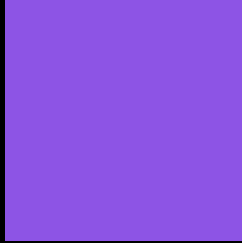
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.270, 309.272 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

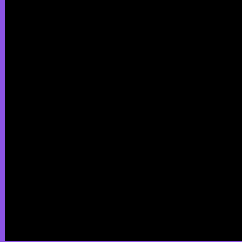
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 49, 84.270, 309.272

## Background



This preview shows how black text looks on a background with the CIELCh color 49, 84.270, 309.272.

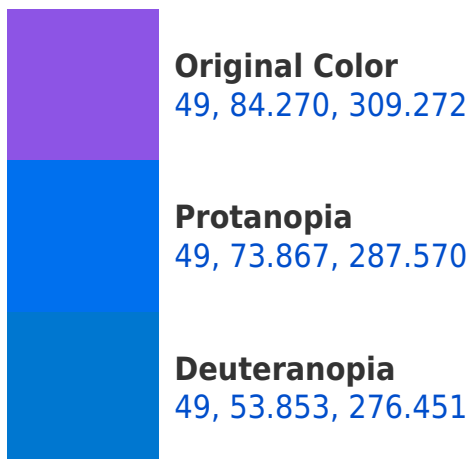


This preview shows how white text looks on a background with the CIELCh color 49, 84.270, 309.272.

# 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, 5.441, 303.424

# Trichromacy



**Original Color**  
49, 84.270, 309.272



**Protanomaly**  
47, 77.983, 292.795



**Deuteranomaly**  
47, 65.011, 288.512



**Tritanomaly**  
48, 35.155, 306.861

# Monochromacy



**Original Color**  
49, 84.270, 309.272



**Achromatopsia**  
49, 0.007, 296.813



**Achromatomaly**  
48, 32.230, 307.261

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 84.270, 309.272 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(141, 84, 229)` looks like.

```
.text, #text, p{  
    color:rgb(141, 84, 229)  
}
```

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(141, 84, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 84, 229) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 84.270, 309.272 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(141, 84, 229) }
```

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

```
.border{ border-color:rgb(141, 84, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 84, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 84, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 84, 229);  
box-shadow:4px 4px 4px 4px rgb(141, 84,  
229) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 84.270, 309.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 84, 229) }
```

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

```
.background{ background-color: rgb(141, 84,  
229) }
```

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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