

# Converting Colors

CIELCh(49, 71.998, 310.536)

Have a look what the booklet for  
CIELCh(49, 71.998, 310.536)  
contains.

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**Color**

**CIELCh(49, 72.141, 310.564)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F58D2
RGB	143, 88, 210
RGB Percent	56%, 35%, 82%
CMY	0.4376, 0.6534, 0.1748
CMYK	0.32, 0.58, 0.00, 0.17
HSL	267°, 58%, 59%
HSV	267°, 58%, 83%
XYZ	26.6080, 17.5941, 63.2454
YIQ	118.3530, -6.3820, 49.6020

# Conversions

## Conversions Part 2

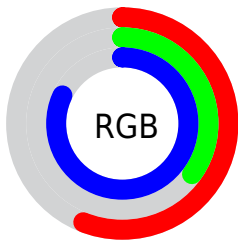
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 88, 210
Decimal	9394386
CIE <sub>Lab</sub>	49.00, 46.91, -54.80
CIE <sub>LCh</sub>	49, 72.141, 310.564
Yxy	17.5941, 0.2476, 0.1637
Android (android.graphics.Color)	4287584466 (0xFF8F58D2)
YUV	118.3530, 45.1820, 21.6154
Hunter-Lab	41.9453, 39.8273, -60.0362

# Details

The CIELCh color **49, 72.141, 310.564** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **78, 65.332, 124.707**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 65.669, 312.056**, and **29, 72.324, 310.434** is the 20% darker color. If you saturate the color by 10%, you get **44, 84.119, 311.045**, and if you desaturate by 10%, it is **55, 59.507, 309.987**.

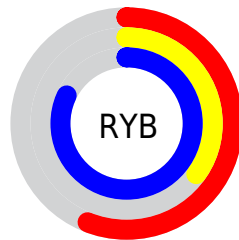
# Distribution



Red (56%)

Green (35%)

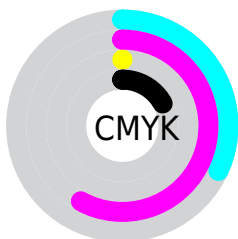
Blue (82%)



Red (56%)

Yellow (35%)

Blue (82%)

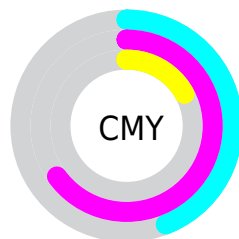


Cyan (32%)

Magenta (58%)

Yellow (0%)

Black (17%)



Cyan (44%)

Magenta (65%)


Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 72.141, 310.564 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, 72.141, 310.564 by changing the saturation by 10% instead.





 49, 72.141,  
310.564


 49, 72.141,  
310.564


 100, 72.141,  
310.564

 39, 72.141,  
310.564

 69, 72.141,  
310.564

 29, 72.141,  
310.564

 79, 72.141,  
310.564

 19, 72.141,  
310.564

 89, 72.141,  
310.564

 9, 72.141, 310.564

 99, 72.141,  
310.564

 0, 72.141, 310.564

 49, 72.141,

 49, 72.141,

310.564

44, 84.119,  
311.045

39, 94.714,  
311.329

35, 102.993,  
311.290

33, 108.282,  
310.840

32, 109.197,  
310.744

310.564

55, 59.507,  
309.987

61, 46.696,  
309.379

67, 33.991,  
308.783

73, 21.544,  
308.221

79, 9.433, 307.701

86, 2.312, 127.296

92, 13.683,  
126.847

98, 23.688,  
125.730

■ 98, 22.720,  
115.588

# Harmonies

# Complementary

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



49, 72.141, 310.564



78, 65.332, 124.707

# Rectangle

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



49, 72.141, 310.564



49, 72.141, 0.564



49, 72.141, 130.564



49, 72.141, 180.564

# Sweetspot

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



49, 72.140, 310.564



88, 23.755, 308.177



62, 34.915, 261.417



45, 15.936, 308.287



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, 72.140, 310.564



51, 100.839, 311.148



57, 74.967, 325.822



41, 6.671, 307.772



25, 92.301, 310.918



3, 26.492, 305.657



# Inverse Universe

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



55, 56.556, 347.248



61, 75.895, 349.511



76, 75.258, 138.558



41, 5.605, 341.807



36, 62.861, 357.145

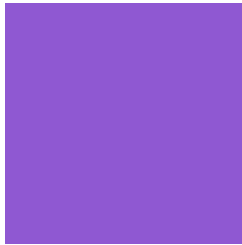


5, 22.357, 350.726



# Previews

## White Background



This preview shows how the CIELCh color 49, 72.141, 310.564 looks on a white background.

## Color Contrast Check

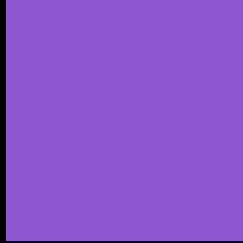
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.141, 310.564 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

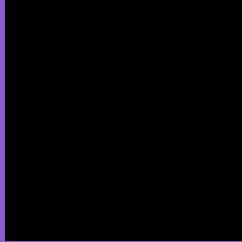
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 49, 72.141, 310.564

## Background



This preview shows how black text looks on a background with the CIELCh color 49, 72.141, 310.564.



This preview shows how white text looks on a background with the CIELCh color 49, 72.141, 310.564.

# 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



### Original Color

49, 72.141, 310.564


### Protanopia

49, 72.614, 288.005

### Deuteranopia

49, 51.638, 278.442





**Tritanopia**  
49, 7.064, 338.622

# Trichromacy



**Original Color**  
49, 72.141, 310.564

**Protanomaly**  
48, 72.649, 293.336

**Deuteranomaly**  
48, 58.233, 290.647

**Tritanomaly**  
48, 31.226, 312.588

# Monochromacy



**Original Color**  
49, 72.141, 310.564

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
49, 26.987, 308.918

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 72.141, 310.564 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(143, 88, 210)` looks like.

```
.text, #text, p{  
    color:rgb(143, 88, 210)  
}
```

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(143, 88, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 88, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 72.141, 310.564 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(143, 88, 210) }
```

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

```
.border{ border-color:rgb(143, 88, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 88, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 88, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 88, 210);  
box-shadow:4px 4px 4px 4px rgb(143, 88,  
210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 72.141, 310.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 88, 210) }
```

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

```
.background{ background-color: rgb(143, 88,  
210) }
```

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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