

Converting Colors

CIELCh(49, 71.161, 310.974)

Have a look what the booklet for
CIELCh(49, 71.161, 310.974)
contains.

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Color

CIELCh(49, 71.638, 310.901)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 9058D1 |
| RGB | 144, 88, 209 |
| RGB Percent | 56%, 35%, 82% |
| CMY | 0.4342, 0.6539, 0.1793 |
| CMYK | 0.31, 0.58, 0.00, 0.18 |
| HSL | 268°, 57%, 58% |
| HSV | 268°, 58%, 82% |
| XYZ | 26.6061, 17.5941, 62.5012 |
| YIQ | 118.5380, -5.4650, 49.5030 |

Conversions

Conversions Part 2

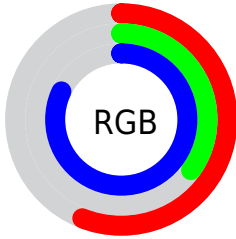
| Format | Color |
|-------------------------------------|--|
| RYB | 144, 88, 209 |
| Decimal | 9459921 |
| CIELab | 49.00, 46.91, -54.15 |
| CIElCh | 49, 71.638, 310.901 |
| Yxy | 17.5941, 0.2494, 0.1649 |
| Android (android.graphics.Color) | 4287650001 (0xFF9058D1) |
| YUV | 118.5380, 44.5978, 22.3302 |
| Hunter-Lab | 41.9453, 39.8192, -58.9843 |

Details

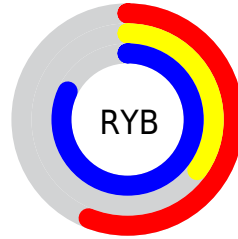
The CIELCh color **49, 71.638, 310.901** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **78, 65.087, 125.155**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 65.728, 312.329**, and **29, 71.705, 310.949** is the 20% darker color. If you saturate the color by 10%, you get **44, 83.525, 311.360**, and if you desaturate by 10%, it is **55, 59.084, 310.344**.

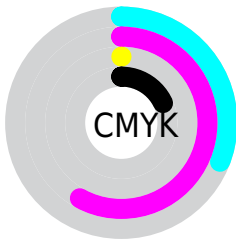
Distribution



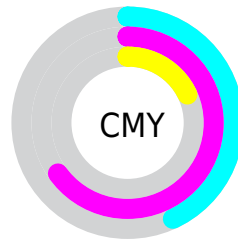
- Red (56%)
- Green (35%)
- Blue (82%)



- Red (56%)
- Yellow (35%)
- Blue (82%)



- Cyan (31%)
- Magenta (58%)
- Yellow (0%)
- Black (18%)





- Cyan (43%)
- Magenta (65%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 71.638, 310.901 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, 71.638, 310.901 by changing the saturation by 10% instead.


 49, 71.638,
310.901


 49, 71.638,
310.901


 100, 71.638,
310.901


 39, 71.638,
310.901

 69, 71.638,
310.901


 29, 71.638,
310.901

 79, 71.638,
310.901

 19, 71.638,
310.901

 89, 71.638,
310.901

 9, 71.638, 310.901

 99, 71.638,
310.901

 0, 71.638, 310.901

 49, 71.638,

 49, 71.638,

310.901

44, 83.525,
311.360

39, 94.031,
311.622

35, 102.244,
311.566

33, 107.493,
311.102

32, 108.472,
310.994

310.901

55, 59.084,
310.344

61, 46.340,
309.754

67, 33.689,
309.173


73, 21.287,
308.623

79, 9.212, 308.112

85, 2.502, 127.713

91, 13.847,
127.272

97, 24.428,
126.628

 98, 23.396,
117.124

Harmonies

Complementary

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



49, 71.638, 310.901



78, 65.087, 125.155

Rectangle

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



49, 71.638, 310.901



49, 71.638, 0.901



49, 71.638, 130.901



49, 71.638, 180.901

Sweetspot

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



49, 71.637, 310.901



88, 23.804, 308.589



62, 34.671, 261.357



45, 15.969, 308.697



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, 71.637, 310.901



52, 99.488, 311.430



56, 74.461, 325.816



41, 6.687, 308.191



25, 92.068, 311.165



3, 26.549, 306.090

Inverse Universe

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



55, 55.819, 347.949



62, 74.758, 350.107



75, 74.744, 138.577



41, 5.559, 342.421



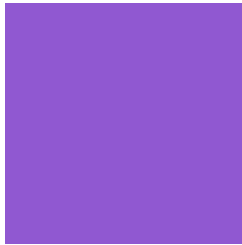
36, 62.638, 358.231



5, 22.214, 351.519

Previews

White Background



This preview shows how the CIELCh color 49, 71.638, 310.901 looks on a white background.

Color Contrast Check

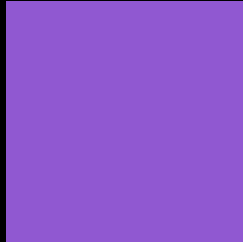
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.638, 310.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

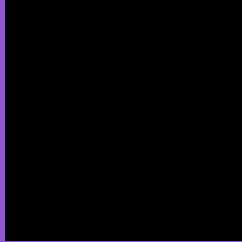
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 71.638, 310.901

Background



This preview shows how black text looks on a background with the CIELCh color 49, 71.638, 310.901.

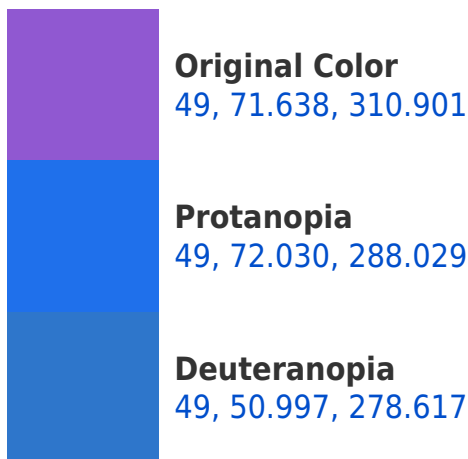



This preview shows how white text looks on a background with the CIELCh color 49, 71.638, 310.901.

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, 8.062, 339.462

Trichromacy



Original Color
49, 71.638, 310.901

Protanomaly
48, 72.042, 293.602

Deuteranomaly
48, 57.607, 291.110

Tritanomaly
48, 31.483, 313.897

Monochromacy



Original Color
49, 71.638, 310.901

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, 71.638, 310.901 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(144, 88, 209)` looks like.

```
.text, #text, p{  
    color:rgb(144, 88, 209)  
}
```

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(144, 88, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 88, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 71.638, 310.901 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(144, 88, 209) }
```

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

```
.border{ border-color:rgb(144, 88, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 88, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 88, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 88, 209);  
box-shadow:4px 4px 4px 4px rgb(144, 88,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 71.638, 310.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 88, 209) }
```

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

```
.background{ background-color: rgb(144, 88,  
209) }
```

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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