

Converting Colors

CIELCh(49, 69.655, 308.036)

Have a look what the booklet for
CIELCh(49, 69.655, 308.036)
contains.

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Color

CIELCh(49, 69.623, 308.209)

Conversions

Conversions Part 1

Format	Color
Hex	885CD2
RGB	136, 92, 210
RGB Percent	53%, 36%, 82%
CMY	0.4659, 0.6386, 0.1758
CMYK	0.35, 0.56, 0.00, 0.18
HSL	262°, 57%, 59%
HSV	262°, 56%, 82%
XYZ	25.6797, 17.5941, 63.1350
YIQ	118.6080, -11.6540, 46.0260

Conversions

Conversions Part 2

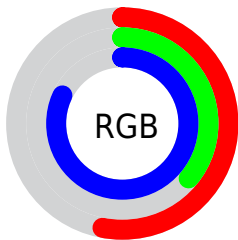
Format	Color
R_{YB}	136, 92, 210
Decimal	8936658
CIE _{Lab}	49.00, 43.06, -54.71
CIE _{LCh}	49, 69.623, 308.209
Yxy	17.5941, 0.2413, 0.1653
Android (android.graphics.Color)	4287126738 (0xFF885CD2)
YUV	118.6080, 45.0563, 15.2528
Hunter-Lab	41.9453, 35.8767, -59.8801

Details

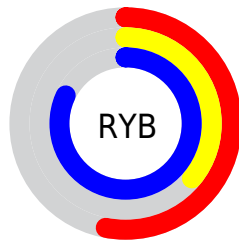
The CIELCh color **49, 69.623, 308.209** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **79, 62.190, 121.746**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 62.828, 309.445**, and **29, 69.932, 308.147** is the 20% darker color. If you saturate the color by 10%, you get **43, 82.090, 308.899**, and if you desaturate by 10%, it is **55, 56.760, 307.464**.

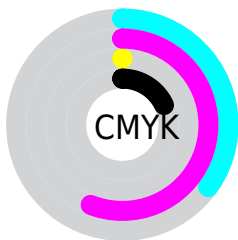
Distribution



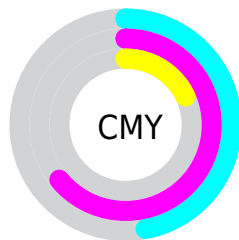
- Red (53%)
- Green (36%)
- Blue (82%)



- Red (53%)
- Yellow (36%)
- Blue (82%)



- Cyan (35%)
- Magenta (56%)
- Yellow (0%)
- Black (18%)




- Cyan (47%)
- Magenta (64%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 69.623, 308.209 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, 69.623, 308.209 by changing the saturation by 10% instead.


 49, 69.623,
308.209


 49, 69.623,
308.209


 100, 69.623,
308.209


 39, 69.623,
308.209

 69, 69.623,
308.209


 29, 69.623,
308.209

 79, 69.623,
308.209

 19, 69.623,
308.209

 89, 69.623,
308.209

 9, 69.623, 308.209

 99, 69.623,
308.209

 0, 69.623, 308.209

 49, 69.623,

 49, 69.623,

308.209

43, 82.090,
308.899

38, 93.475,
309.430

34, 102.786,
309.661

31, 108.988,
309.442

30, 110.861,
309.314

308.209

55, 56.760,
307.464

61, 43.912,
306.726

68, 31.297,
306.031

74, 19.021,
305.396

80, 7.129, 304.821

87, 4.370, 124.346

93, 15.481,
123.893

98, 23.231,
120.730

 99, 22.637,
108.658

Harmonies

Complementary

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



49, 69.623, 308.209



79, 62.190, 121.746

Rectangle

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



49, 69.623, 308.209



49, 69.623, 358.209



49, 69.623, 128.209



49, 69.623, 178.209

Sweetspot

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



49, 69.622, 308.209



87, 23.461, 305.459



65, 31.036, 249.554



45, 15.744, 305.584



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, 69.622, 308.209



52, 97.183, 308.998



56, 72.094, 323.180



41, 6.582, 305.002



23, 93.780, 309.474



2, 26.182, 303.011

Inverse Universe

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



56, 57.494, 342.518



63, 76.855, 344.092



76, 71.481, 137.026



41, 5.919, 338.048



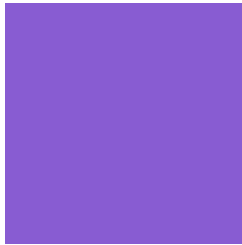
37, 64.929, 350.399



5, 23.454, 345.470

Previews

White Background



This preview shows how the CIELCh color 49, 69.623, 308.209 looks on a white background.

Color Contrast Check

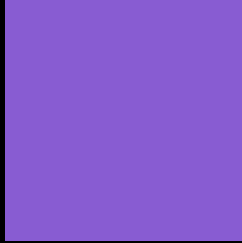
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.623, 308.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

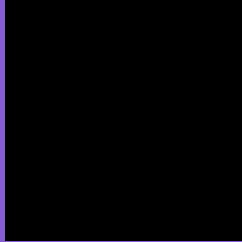
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 69.623, 308.209

Background



This preview shows how black text looks on a background with the CIELCh color 49, 69.623, 308.209.

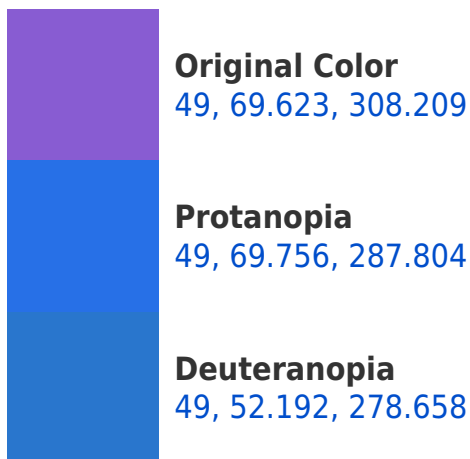


This preview shows how white text looks on a background with the CIELCh color 49, 69.623, 308.209.

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, 69.623, 308.209

Protanomaly
48, 69.085, 292.859

Deuteranomaly
48, 57.624, 289.348

Tritanomaly
49, 29.111, 306.380

Monochromacy



Original Color
49, 69.623, 308.209

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 26.057, 306.100

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 69.623, 308.209 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(136, 92, 210)` looks like.

```
.text, #text, p{  
    color:rgb(136, 92, 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(136, 92, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 92, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 69.623, 308.209 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(136, 92, 210) }
```

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

```
.border{ border-color:rgb(136, 92, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 92, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 92, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 92, 210);  
box-shadow:4px 4px 4px 4px rgb(136, 92,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 69.623, 308.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 92, 210) }
```

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

```
.background{ background-color: rgb(136, 92,  
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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