

Converting Colors

CIELCh(49, 58.395, 311.106)

Have a look what the booklet for
CIELCh(49, 58.395, 311.106)
contains.

CIELCh(49, 58.304, 310.828)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 58.304, 310.828)

Conversions

Conversions Part 1

Format	Color
Hex	8D5FC0
RGB	141, 95, 192
RGB Percent	55%, 37%, 75%
CMY	0.4478, 0.6282, 0.2478
CMYK	0.27, 0.51, 0.00, 0.25
HSL	268°, 43%, 56%
HSV	268°, 51%, 75%
XYZ	24.5189, 17.5941, 51.8559
YIQ	119.8120, -3.7210, 39.9190

Conversions

Conversions Part 2

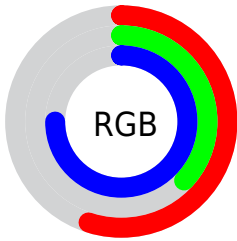
Format	Color
R_{YB}	141, 95, 192
Decimal	9265088
CIE _{Lab}	49.00, 38.12, -44.12
CIE _{LCh}	49, 58.304, 310.828
Yxy	17.5941, 0.2609, 0.1872
Android (android.graphics.Color)	4287455168 (0xFF8D5FC0)
YUV	119.8120, 35.5887, 18.5819
Hunter-Lab	41.9453, 30.9372, -43.9370

Details

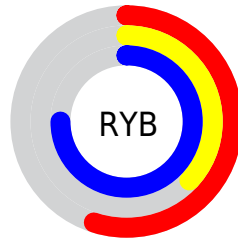
The CIELCh color **49, 58.304, 310.828** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **73, 53.847, 125.820**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 58.153, 310.833**, and **29, 58.656, 310.749** is the 20% darker color. If you saturate the color by 10%, you get **44, 69.863, 311.346**, and if you desaturate by 10%, it is **54, 46.458, 310.262**.

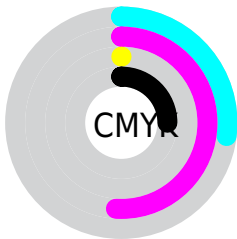
Distribution



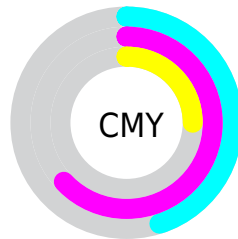
- Red (55%)
- Green (37%)
- Blue (75%)



- Red (55%)
- Yellow (37%)
- Blue (75%)



- Cyan (27%)
- Magenta (51%)
- Yellow (0%)
- Black (25%)



- Cyan (45%)
- Magenta (63%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 58.304, 310.828 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, 58.304, 310.828 by changing the saturation by 10% instead.


 49, 58.304,
310.828

 49, 58.304,
310.828


 100, 58.304,
310.828

 39, 58.304,
310.828

 69, 58.304,
310.828

 29, 58.304,
310.828

 79, 58.304,
310.828

 19, 58.304,
310.828

 89, 58.304,
310.828

 9, 58.304, 310.828

 99, 58.304,
310.828

 0, 58.304, 310.828

 49, 58.304,

 49, 58.304,

310.828

44, 69.863,
311.346

39, 80.648,
311.743

35, 89.950,
311.919

32, 96.930,
311.753

29, 101.311,
311.296

310.828

54, 46.458,
310.262

60, 34.633,
309.692

66, 22.999,
309.146


72, 11.647,
308.636

77, 0.619, 308.014

83, 10.070,
127.784

89, 20.421,
127.414

95, 30.445,
127.091

 97, 33.124,
123.119

Harmonies

Complementary

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



49, 58.304, 310.828



73, 53.847, 125.820

Rectangle

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



49, 58.304, 310.828



49, 58.304, 0.828



49, 58.304, 130.828



49, 58.304, 180.828

Sweetspot

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



49, 58.303, 310.828



88, 20.644, 308.870



59, 29.146, 261.121



45, 14.124, 308.979



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 58.303, 310.828



56, 87.181, 311.411



55, 61.992, 326.044



38, 6.293, 308.578



24, 88.717, 311.445



2, 20.129, 304.455

Inverse Universe

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



53, 45.953, 347.486



63, 66.833, 349.293



70, 62.136, 139.669



38, 5.181, 342.999



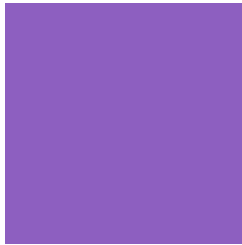
34, 60.374, 359.104



3, 16.067, 350.778

Previews

White Background



This preview shows how the CIE LCh color 49, 58.304, 310.828 looks on a white background.

Color Contrast Check

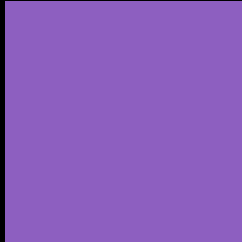
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.304, 310.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

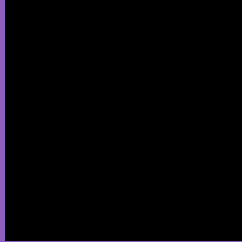
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 58.304, 310.828

Background



This preview shows how black text looks on a background with the CIELCh color 49, 58.304, 310.828.



This preview shows how white text looks on a background with the CIELCh color 49, 58.304, 310.828.

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, 58.304, 310.828

Protanopia
49, 57.008, 286.962

Deuteranopia
49, 41.857, 279.723



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 58.304, 310.828

Protanomaly
48, 56.861, 294.458

Deuteranomaly
49, 46.962, 292.522

Tritanomaly
49, 26.204, 315.569

Monochromacy



Original Color
49, 58.304, 310.828

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 21.591, 309.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 58.304, 310.828 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, 95, 192)` looks like.

```
.text, #text, p{  
    color:rgb(141, 95, 192)  
}
```

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, 95, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 95, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 58.304, 310.828 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, 95, 192) }
```

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

```
.border{ border-color:rgb(141, 95, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 95, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 95, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 95, 192);  
box-shadow:4px 4px 4px 4px rgb(141, 95,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 58.304, 310.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 95, 192) }
```

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

```
.background{ background-color: rgb(141, 95,  
192) }
```

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