

Converting Colors

CIELCh(49, 79.213, 311.349)

Have a look what the booklet for
CIELCh(49, 79.213, 311.349)
contains.

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Color

CIELCh(49, 79.143, 311.206)

Conversions

Conversions Part 1

Format	Color
Hex	9354DB
RGB	147, 84, 219
RGB Percent	58%, 33%, 86%
CMY	0.4244, 0.6714, 0.1421
CMYK	0.33, 0.62, 0.00, 0.14
HSL	268°, 65%, 59%
HSV	268°, 62%, 86%
XYZ	27.9033, 17.5941, 68.7879
YIQ	118.2270, -5.7870, 55.3410

Conversions

Conversions Part 2

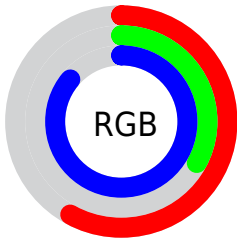
Format	Color
R _Y B	147, 84, 219
Decimal	9655515
CIE Lab	49.00, 52.14, -59.54
CIE LCh	49, 79.143, 311.206
Yxy	17.5941, 0.2442, 0.1539
Android (android.graphics.Color)	4287845595 (0xFF9354DB)
YUV	118.2270, 49.6811, 25.2339
Hunter-Lab	41.9453, 45.3396, -67.8706

Details

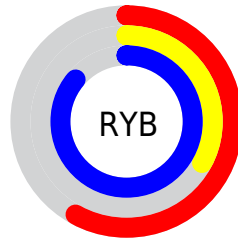
The CIELCh color **49, 79.143, 311.206** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81, 71.432, 125.192**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 67.798, 313.823**, and **29, 79.136, 311.141** is the 20% darker color. If you saturate the color by 10%, you get **44, 90.969, 311.592**, and if you desaturate by 10%, it is **55, 66.346, 310.685**.

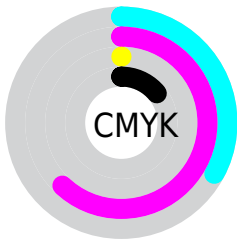
Distribution



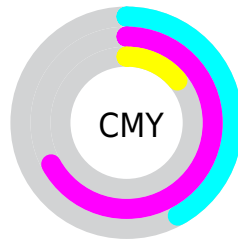
- Red (58%)
- Green (33%)
- Blue (86%)



- Red (58%)
- Yellow (33%)
- Blue (86%)



- Cyan (33%)
- Magenta (62%)
- Yellow (0%)
- Black (14%)



- Cyan (42%)
- Magenta (67%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 79.143, 311.206 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, 79.143, 311.206 by changing the saturation by 10% instead.


 49, 79.143,
311.206


 49, 79.143,
311.206


 100, 79.143,
311.206


 39, 79.143,
311.206

 69, 79.143,
311.206


 29, 79.143,
311.206

 79, 79.143,
311.206

 19, 79.143,
311.206

 89, 79.143,
311.206

 9, 79.143, 311.206

 99, 79.143,
311.206

 0, 79.143, 311.206

 49, 79.143,

 49, 79.143,

311.206

44, 90.969,
311.592

39, 100.983,
311.733

36, 108.229,
311.503

34, 112.091,
311.040

311.206

55, 66.346,
310.685

61, 53.175,
310.106

67, 39.997,
309.521


73, 27.021,
308.958

80, 14.358,
308.434

86, 2.059, 307.913

93, 9.859, 127.556

98, 19.175,
125.179

 99, 18.366,
112.455

Harmonies

Complementary

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



49, 79.143, 311.206



81, 71.432, 125.192

Rectangle

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



49, 79.143, 311.206



49, 79.143, 1.206



49, 79.143, 131.206



49, 79.143, 181.206

Sweetspot

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



49, 79.142, 311.206



86, 26.699, 308.822



63, 38.084, 262.694



44, 18.450, 308.978



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, 79.142, 311.206



50, 105.695, 311.665



57, 81.281, 325.944



43, 6.959, 308.321



26, 94.074, 311.216



3, 31.000, 308.076

Inverse Universe

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



56, 60.861, 348.851



60, 77.939, 351.455



78, 81.771, 138.176



43, 5.767, 342.615



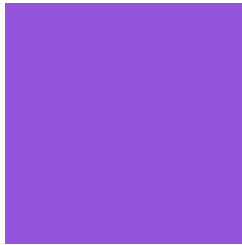
37, 63.954, 358.663



6, 25.436, 352.129

Previews

White Background



This preview shows how the CIELCh color 49, 79.143, 311.206 looks on a white background.

Color Contrast Check

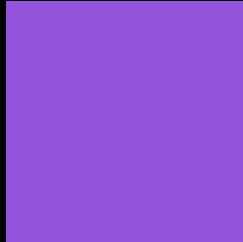
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.143, 311.206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

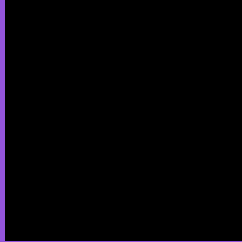
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 79.143, 311.206

Background



This preview shows how black text looks on a background with the CIELCh color 49, 79.143, 311.206.

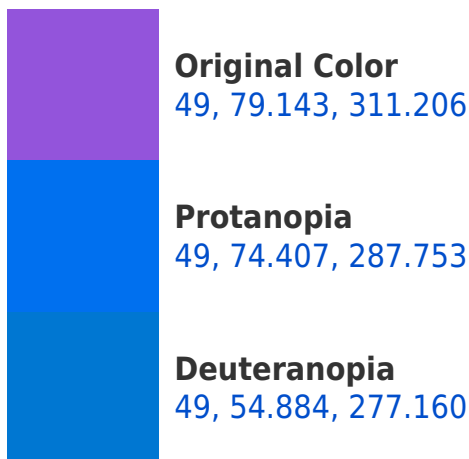



This preview shows how white text looks on a background with the CIELCh color 49, 79.143, 311.206.

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, 8.372, 341.352

Trichromacy



Original Color
49, 79.143, 311.206



Protanomaly
47, 76.307, 292.588



Deuteranomaly
47, 63.312, 288.183



Tritanomaly
48, 34.527, 314.008

Monochromacy



Original Color
49, 79.143, 311.206



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 30.026, 308.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 79.143, 311.206 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(147, 84, 219)` looks like.

```
.text, #text, p{  
    color:rgb(147, 84, 219)  
}
```

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(147, 84, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 84, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 79.143, 311.206 is called "border". The border property can be set on classes, ids or directly on the HTML element.

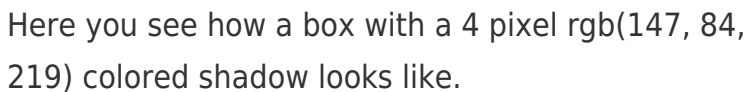
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 84, 219) }
```

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

```
.border{ border-color:rgb(147, 84, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 84, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 84, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 84, 219);  
box-shadow:4px 4px 4px 4px rgb(147, 84,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 79.143, 311.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 84, 219) }
```

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

```
.background{ background-color: rgb(147, 84,  
219) }
```

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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