

Converting Colors

CIELCh(49, 64.434, 302.486)

Have a look what the booklet for
CIELCh(49, 64.434, 302.486)
contains.

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Color

CIELCh(49, 63.931, 302.314)

Conversions

Conversions Part 1

Format	Color
Hex	7764D1
RGB	119, 100, 209
RGB Percent	47%, 39%, 82%
CMY	0.5339, 0.6084, 0.1810
CMYK	0.43, 0.52, 0.00, 0.18
HSL	250°, 54%, 61%
HSV	250°, 52%, 82%
XYZ	23.6188, 17.5941, 62.3694
YIQ	118.1070, -23.6650, 37.9270

Conversions

Conversions Part 2

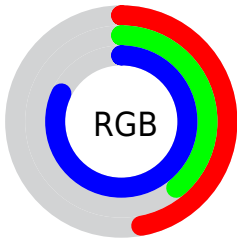
Format	Color
R_{YB}	119, 100, 209
Decimal	7824593
CIE Lab	49.00, 34.17, -54.03
CIE LCh	49, 63.931, 302.314
Yxy	17.5941, 0.2280, 0.1699
Android (android.graphics.Color)	4286014673 (0xFF7764D1)
YUV	118.1070, 44.8102, 0.7832
Hunter-Lab	41.9453, 27.1066, -58.7980

Details

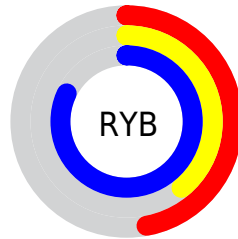
The CIELCh color $49, 63.931, 302.314$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $80, 55.853, 113.390$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 57.828, 302.941$, and $29, 63.826, 302.174$ is the 20% darker color. If you saturate the color by 10%, you get $43, 77.162, 303.680$, and if you desaturate by 10%, it is $56, 50.806, 301.023$.

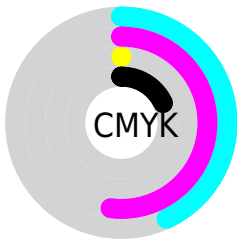
Distribution



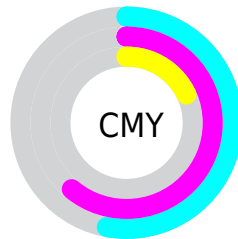
- Red (47%)
- Green (39%)
- Blue (82%)



- Red (47%)
- Yellow (39%)
- Blue (82%)



- Cyan (43%)
- Magenta (52%)
- Yellow (0%)
- Black (18%)




- Cyan (53%)
- Magenta (61%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 63.931, 302.314 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, 63.931, 302.314 by changing the saturation by 10% instead.


 49, 63.931,
302.314


 49, 63.931,
302.314


 100, 63.931,
302.314

 39, 63.931,
302.314

 69, 63.931,
302.314


 29, 63.931,
302.314

 79, 63.931,
302.314

 19, 63.931,
302.314

 89, 63.931,
302.314

 9, 63.931, 302.314

 99, 63.931,
302.314

 0, 63.931, 302.314

 49, 63.931,

 49, 63.931,

302.314

43, 77.162,
303.680

37, 89.953,
305.013

32, 101.273,
306.132

29, 109.632,
306.797

27, 113.807,
307.005

302.314

56, 50.806,
301.023

62, 38.036,
299.855

69, 25.712,
298.824

76, 13.851,
297.926

82, 2.442, 297.150

89, 8.538, 116.484

96, 19.116,
115.912

99, 23.310,
108.411

Harmonies

Complementary

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



49, 63.931, 302.314



80, 55.853, 113.390

Rectangle

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



49, 63.931, 302.314



49, 63.931, 352.314



49, 63.931, 122.314



49, 63.931, 172.314

Sweetspot

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



49, 63.930, 302.315



87, 21.555, 298.270



73, 28.184, 218.269



45, 14.612, 298.457



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, 63.930, 302.315



51, 92.054, 303.891



55, 65.546, 316.850



40, 6.424, 297.699



20, 96.786, 307.096



2, 25.740, 297.617

Inverse Universe

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



58, 61.105, 332.998



66, 83.498, 333.799



77, 62.750, 132.109



41, 6.819, 330.187



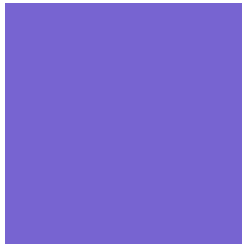
38, 73.980, 336.556



5, 27.199, 334.456

Previews

White Background



This preview shows how the CIELCh color 49, 63.931, 302.314 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, 63.931, 302.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

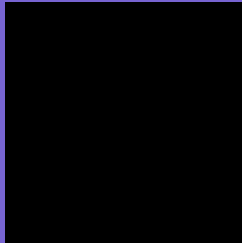
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 63.931, 302.314

Background



This preview shows how black text looks on a background with the CIELCh color 49, 63.931, 302.314.




This preview shows how white text looks on a background with the CIELCh color 49, 63.931, 302.314.

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, 9.287, 233.581

Trichromacy



Original Color
49, 63.931, 302.314

Protanomaly
49, 63.793, 291.629

Deuteranomaly
48, 56.044, 286.743

Tritanomaly
49, 26.506, 288.493

Monochromacy



Original Color
49, 63.931, 302.314

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 23.747, 299.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 63.931, 302.314 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(119, 100, 209)` looks like.

```
.text, #text, p{  
    color:rgb(119, 100, 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(119, 100, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 100, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 63.931, 302.314 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(119, 100, 209) }
```

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

```
.border{ border-color:rgb(119, 100, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 100, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 100, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 100, 209);  
box-shadow:4px 4px 4px 4px rgb(119, 100,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 63.931, 302.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 100, 209) }
```

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

```
.background{ background-color: rgb(119,  
100, 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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