

Converting Colors

CIELCh(61, 49.766, 301.027)

Have a look what the booklet for
CIELCh(61, 49.766, 301.027)
contains.

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Color

CIELCh(61, 49.909, 300.947)

Conversions

Conversions Part 1

Format	Color
Hex	9787DF
RGB	151, 135, 223
RGB Percent	59%, 53%, 87%
CMY	0.4077, 0.4705, 0.1254
CMYK	0.32, 0.39, 0.00, 0.13
HSL	251°, 58%, 70%
HSV	251°, 39%, 87%
XYZ	34.7602, 29.2481, 73.6491
YIQ	149.8160, -18.7120, 30.7600

Conversions

Conversions Part 2

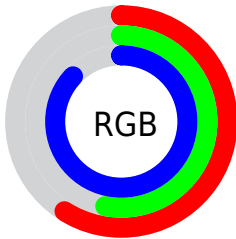
Format	Color
RYB	151, 135, 223
Decimal	9930719
CIELab	61.00, 25.67, -42.80
CIELCh	61, 49.909, 300.947
Yxy	29.2481, 0.2525, 0.2125
Android (android.graphics.Color)	4288120799 (0xFF9787DF)
YUV	149.8160, 36.0797, 1.0384
Hunter-Lab	54.0815, 20.0859, -42.8849

Details

The CIELCh color $61, 49.909, 300.947$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $86, 45.402, 114.514$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 36.440, 303.006$, and $41, 49.817, 301.028$ is the 20% darker color. If you saturate the color by 10%, you get $54, 63.664, 302.191$, and if you desaturate by 10%, it is $68, 36.555, 299.829$.

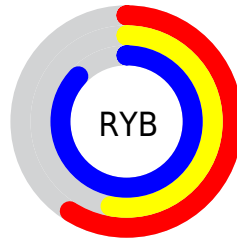
Distribution



Red (59%)

Green (53%)

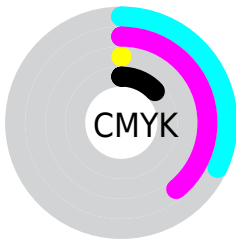
Blue (87%)



Red (59%)

Yellow (53%)

Blue (87%)

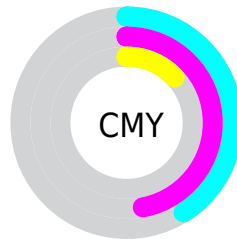


Cyan (32%)

Magenta (39%)

Yellow (0%)

Black (13%)



Cyan (41%)

Magenta (47%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 49.909, 300.947 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 61, 49.909, 300.947 by changing the saturation by 10% instead.


 61, 49.909,
300.947

 61, 49.909,
300.947


 100, 49.909,
300.947


 51, 49.909,
300.947


 81, 49.909,
300.947

 41, 49.909,
300.947

 91, 49.909,
300.947

 31, 49.909,
300.947

 21, 49.909,
300.947

 11, 49.909,
300.947

 1, 49.909, 300.947

 0, 49.909, 300.947

61, 49.909,
300.947

61, 49.909,
300.947

54, 63.664,
302.191

68, 36.555,
299.829

47, 77.613,
303.521

75, 23.680,
298.846

41, 91.268,
304.848

82, 11.292,
297.991

36, 103.680,
306.010

89, 0.626, 117.263

32, 113.368,
306.776

96, 12.097,
116.622

29, 119.235,
307.022

99, 16.170,
108.955

29, 119.512,
307.037

Harmonies

Complementary

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



61, 49.909, 300.947



86, 45.402, 114.514

Rectangle

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



61, 49.909, 300.947



61, 49.909, 350.947



61, 49.909, 120.947



61, 49.909, 170.947

Sweetspot

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



61, 49.908, 300.947



91, 16.052, 298.204



79, 23.962, 217.122



47, 10.674, 298.314



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 49.908, 300.947



63, 67.210, 301.920



65, 52.449, 316.370



43, 6.814, 297.991



22, 99.965, 307.134



2, 31.967, 300.214

Inverse Universe

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



68, 49.588, 332.432



73, 65.055, 332.974



83, 50.709, 132.757



44, 7.189, 330.454



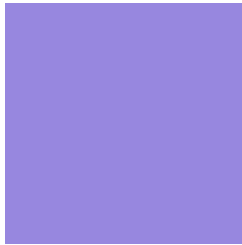
40, 75.981, 337.033



7, 31.767, 335.344

Previews

White Background



This preview shows how the CIELCh color 61, 49.909, 300.947 looks on a white background.

Color Contrast Check

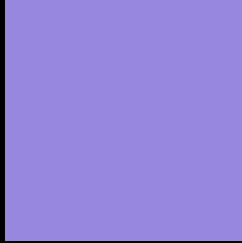
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 61, 49.909, 300.947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

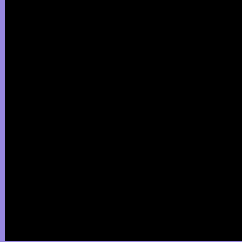
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 49.909, 300.947

Background



This preview shows how black text looks on a background with the CIELCh color 61, 49.909, 300.947.



This preview shows how white text looks on a background with the CIELCh color 61, 49.909, 300.947.

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
61, 7.615, 262.067

Trichromacy



Original Color
61, 49.909, 300.947

Protanomaly
61, 48.940, 290.978

Deuteranomaly
61, 45.070, 289.387

Tritanomaly
61, 22.577, 292.655

Monochromacy



Original Color
61, 49.909, 300.947

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 18.141, 297.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 49.909, 300.947 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(151, 135, 223)` looks like.

```
.text, #text, p{  
    color:rgb(151, 135, 223)  
}
```

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(151, 135, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 135, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 49.909, 300.947 is called "border". The border property can be set on classes, ids or directly on the HTML element.

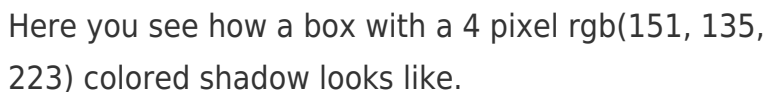
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 135, 223) }
```

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

```
.border{ border-color:rgb(151, 135, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 135, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 135, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 135, 223);  
box-shadow:4px 4px 4px 4px rgb(151, 135,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 49.909, 300.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 135, 223) }
```

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

```
.background{ background-color: rgb(151,  
135, 223) }
```

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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