

# Converting Colors

CIELCh(61, 28.973, 300.680)

Have a look what the booklet for  
CIELCh(61, 28.973, 300.680)  
contains.

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# Color

**CIELCh(61, 29.112, 300.678)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	978CBF
RGB	151, 140, 191
RGB Percent	59%, 55%, 75%
CMY	0.4064, 0.4496, 0.2495
CMYK	0.21, 0.27, 0.00, 0.25
HSL	253°, 29%, 65%
HSV	253°, 27%, 75%
XYZ	31.7013, 29.2481, 53.4762
YIQ	149.1030, -9.8150, 18.1930

# Conversions

## Conversions Part 2

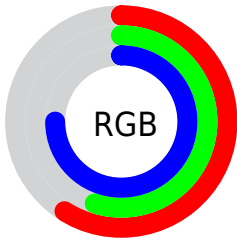
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 140, 191
Decimal	9931967
CIE <sub>Lab</sub>	61.00, 14.85, -25.04
CIE <sub>LCh</sub>	61, 29.112, 300.678
Yxy	29.2481, 0.2770, 0.2556
Android (android.graphics.Color)	4288122047 (0xFF978CBF)
YUV	149.1030, 20.6552, 1.6637
Hunter-Lab	54.0815, 9.9897, -20.7693

# Details

The CIELCh color  $61, 29.112, 300.678$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $75, 27.485, 116.836$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 29.113, 300.494$ , and  $41, 28.836, 300.534$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 40.775, 301.664$ , and if you desaturate by 10%, it is  $67, 17.853, 299.807$ .

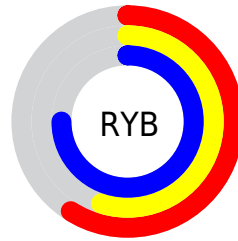
# Distribution



Red (59%)

Green (55%)

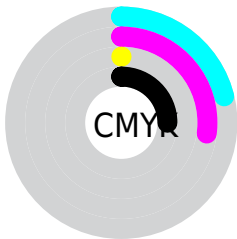
Blue (75%)



Red (59%)

Yellow (55%)

Blue (75%)

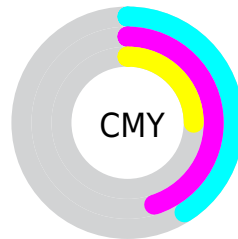


Cyan (21%)

Magenta (27%)

Yellow (0%)

Black (25%)



Cyan (41%)

Magenta (45%)

Yellow (25%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 29.112, 300.678 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, 29.112, 300.678 by changing the saturation by 10% instead.



 61, 29.112,  
300.678


 61, 29.112,  
300.678


 100, 29.112,  
300.678


 51, 29.112,  
300.678


 81, 29.112,  
300.678


 41, 29.112,  
300.678


 91, 29.112,  
300.678

 31, 29.112,  
300.678

 21, 29.112,  
300.678

 11, 29.112,  
300.678

 1, 29.112, 300.678

 0, 29.112, 300.678

61, 29.112,  
300.678

61, 29.112,  
300.678

55, 40.775,  
301.664

67, 17.853,  
299.807

49, 52.796,  
302.762

73, 7.009, 299.046

43, 65.027,  
303.941

80, 3.435, 118.397

37, 77.136,  
305.136

86, 13.500,  
117.826

32, 88.463,  
306.221

92, 23.208,  
117.337

28, 97.917,  
307.006

98, 32.493,  
116.835

25, 104.265,  
307.297

99, 32.032,  
107.740

24, 106.019,



# Harmonies

# Complementary

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



61, 29.112, 300.678



75, 27.485, 116.836

# Rectangle

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



61, 29.112, 300.678



61, 29.112, 350.678



61, 29.112, 120.678



61, 29.112, 170.678

# Sweetspot

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



61, 29.111, 300.677



92, 10.482, 299.152



71, 14.815, 220.626



48, 7.468, 299.263



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



61, 29.111, 300.677



74, 43.872, 301.242



63, 31.319, 316.863



38, 6.056, 299.243



20, 93.006, 307.473



1, 19.626, 296.947



# Inverse Universe

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



64, 29.122, 332.801



79, 43.343, 333.208



74, 30.705, 134.491



38, 6.219, 331.642



36, 69.357, 338.991



4, 19.730, 335.385



# Previews

## White Background



This preview shows how the CIELCh color 61, 29.112, 300.678 looks on a white background.

## Color Contrast Check

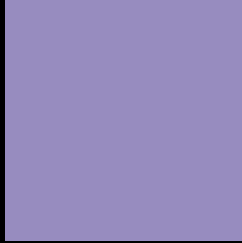
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 61, 29.112, 300.678 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

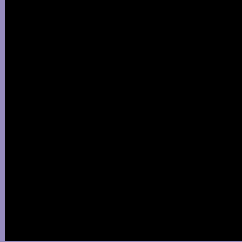
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 29.112, 300.678

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 29.112, 300.678.



This preview shows how white text looks on a background with the CIELCh color 61, 29.112, 300.678.

# 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

61, 29.112, 300.678


### Protanopia

61, 28.305, 285.300

### Deuteranopia

61, 25.385, 287.642





**Tritanopia**  
61, 6.226, 283.977

# Trichromacy



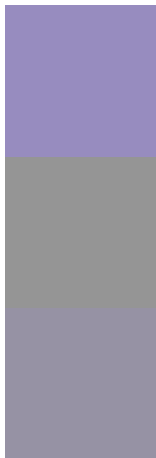
**Original Color**  
61, 29.112, 300.678

**Protanomaly**  
61, 28.747, 291.321

**Deuteranomaly**  
61, 26.505, 293.061

**Tritanomaly**  
61, 14.125, 294.671

# Monochromacy



**Original Color**  
61, 29.112, 300.678

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
61, 10.268, 299.590

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 29.112, 300.678 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, 140, 191)` looks like.

```
.text, #text, p{  
    color:rgb(151, 140, 191)  
}
```

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, 140, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 140, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 29.112, 300.678 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, 140, 191) }
```

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

```
.border{ border-color:rgb(151, 140, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 140, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 140, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 140, 191);  
box-shadow:4px 4px 4px 4px rgb(151, 140,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 29.112, 300.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 140, 191) }
```

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

```
.background{ background-color: rgb(151,  
140, 191) }
```

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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