

# Converting Colors

CIELCh(61, 24.707, 304.879)

Have a look what the booklet for  
CIELCh(61, 24.707, 304.879)  
contains.

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# **Color**

**CIELCh(61, 24.933, 305.009)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B8CB7
RGB	155, 140, 183
RGB Percent	61%, 55%, 72%
CMY	0.3912, 0.4500, 0.2814
CMYK	0.15, 0.23, 0.00, 0.28
HSL	261°, 23%, 63%
HSV	261°, 23%, 72%
XYZ	31.5509, 29.2481, 48.9191
YIQ	149.3870, -4.8630, 16.5530

# Conversions

## Conversions Part 2

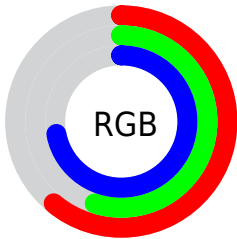
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 140, 183
Decimal	10194103
CIE <sub>Lab</sub>	61.00, 14.30, -20.42
CIE <sub>LCh</sub>	61, 24.933, 305.009
Yxy	29.2481, 0.2876, 0.2666
Android (android.graphics.Color)	4288384183 (0xFF9B8CB7)
YUV	149.3870, 16.5712, 4.9226
Hunter-Lab	54.0815, 9.4934, -15.7733

# Details

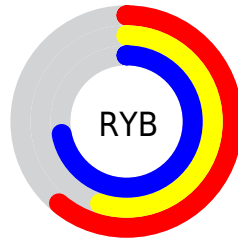
The CIELCh color  $61, 24.933, 305.009$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $72, 23.896, 122.376$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 24.665, 304.958$ , and  $41, 24.884, 304.653$  is the 20% darker color. If you saturate the color by 10%, you get  $55, 36.119, 305.716$ , and if you desaturate by 10%, it is  $67, 14.074, 304.368$ .

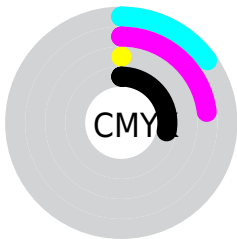
# Distribution



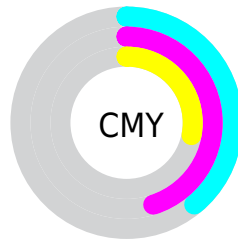
- Red (61%)
- Green (55%)
- Blue (72%)



- Red (61%)
- Yellow (55%)
- Blue (72%)



- Cyan (15%)
- Magenta (23%)
- Yellow (0%)
- Black (28%)




- Cyan (39%)
- Magenta (45%)
- Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 24.933, 305.009 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, 24.933, 305.009 by changing the saturation by 10% instead.





 61, 24.933,  
305.009


 61, 24.933,  
305.009


 100, 24.933,  
305.009


 51, 24.933,  
305.009


 81, 24.933,  
305.009

 41, 24.933,  
305.009

 91, 24.933,  
305.009

 31, 24.933,  
305.009

 21, 24.933,  
305.009

 11, 24.933,  
305.009

 1, 24.933, 305.009

 0, 24.933, 305.009

61, 24.933,  
305.009

61, 24.933,  
305.009

55, 36.119,  
305.716

67, 14.074,  
304.368

50, 47.570,  
306.480

73, 3.571, 303.788

78, 6.579, 123.316

44, 59.138,  
307.275

84, 16.385,  
122.875

39, 70.533,  
308.048

90, 25.864,  
122.495

34, 81.239,  
308.711

95, 35.032,  
122.168

30, 90.450,  
309.131


97, 36.632,  
117.138

27, 97.169,  
309.149

98, 36.092,  
110.049

25, 100.425,

309.024

 99, 36.046,  
107.431

# Harmonies

# Complementary

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



61, 24.933, 305.009



72, 23.896, 122.376

# Rectangle

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



61, 24.933, 305.009



61, 24.933, 355.009



61, 24.933, 125.009



61, 24.933, 175.009

# Sweetspot

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



61, 24.931, 305.008



89, 8.926, 303.996



68, 12.514, 238.162



47, 5.853, 304.030



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



61, 24.931, 305.008



74, 36.971, 305.353



63, 27.429, 320.851



36, 5.889, 304.123



21, 88.838, 309.150



1, 15.658, 300.284



# Inverse Universe

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



63, 22.564, 338.066



77, 33.220, 338.482



71, 27.188, 138.580



36, 5.408, 336.956



34, 62.135, 348.280

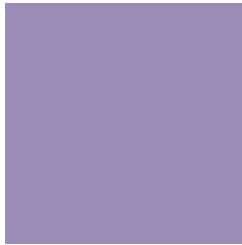


3, 13.517, 342.078



# Previews

## White Background



This preview shows how the CIELCh color 61, 24.933, 305.009 looks on a white background.

## Color Contrast Check

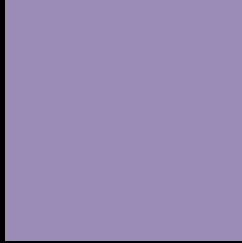
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.933, 305.009 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

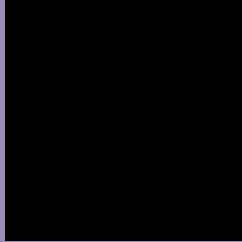
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 24.933, 305.009

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 24.933, 305.009.



This preview shows how white text looks on a background with the CIELCh color 61, 24.933, 305.009.

# 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, 24.933, 305.009


### Protanopia

61, 23.190, 285.169

### Deuteranopia

61, 21.426, 292.524





**Tritanopia**  
61, 7.166, 309.386

# Trichromacy



**Original Color**  
61, 24.933, 305.009

**Protanomaly**  
61, 23.671, 292.757

**Deuteranomaly**  
61, 22.104, 297.108

**Tritanomaly**  
61, 14.088, 306.817

# Monochromacy



**Original Color**  
61, 24.933, 305.009

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 9.315, 305.090

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 24.933, 305.009 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(155, 140, 183)` looks like.

```
.text, #text, p{  
    color:rgb(155, 140, 183)  
}
```

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(155, 140, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 140, 183) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 24.933, 305.009 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(155, 140, 183) }
```

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

```
.border{ border-color:rgb(155, 140, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 140, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 140, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 140, 183);  
box-shadow:4px 4px 4px 4px rgb(155, 140,  
183) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 24.933, 305.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 140, 183) }
```

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

```
.background{ background-color: rgb(155,  
140, 183) }
```

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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