

# Converting Colors

CIELCh(61, 11.962, 324.415)

Have a look what the booklet for  
CIELCh(61, 11.962, 324.415)  
contains.

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# Color

**CIELCh(61, 12.070, 323.494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9F8EA0
RGB	159, 142, 160
RGB Percent	62%, 56%, 63%
CMY	0.3765, 0.4432, 0.3726
CMYK	0.01, 0.11, 0.00, 0.37
HSL	297°, 9%, 59%
HSV	297°, 11%, 63%
XYZ	30.3093, 29.2481, 37.2982
YIQ	149.1350, 4.3540, 9.2020

# Conversions

## Conversions Part 2

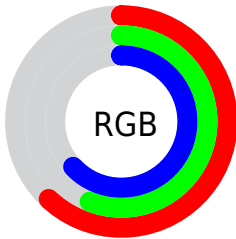
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 142, 160
Decimal	10456736
CIELab	61.00, 9.70, -7.18
CIELCh	61, 12.070, 323.494
Yxy	29.2481, 0.3129, 0.3020
Android (android.graphics.Color)	4288646816 (0xFF9F8EA0)
YUV	149.1350, 5.3564, 8.6516
Hunter-Lab	54.0815, 5.3953, -3.0332

# Details

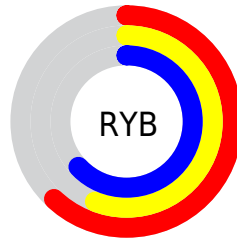
The CIELCh color  $61, 12.070, 323.494$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $64, 12.039, 142.355$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 12.054, 323.459$ , and  $41, 12.231, 323.595$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 22.893, 324.003$ , and if you desaturate by 10%, it is  $65, 1.336, 322.855$ .

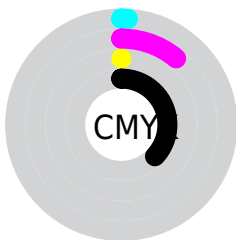
# Distribution



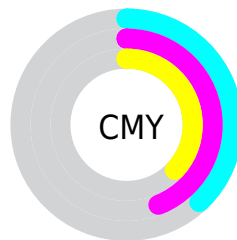
- Red (62%)
- Green (56%)
- Blue (63%)



- Red (62%)
- Yellow (56%)
- Blue (63%)



- Cyan (1%)
- Magenta (11%)
- Yellow (0%)
- Black (37%)



- Cyan (38%)
- Magenta (44%)
- Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 12.070, 323.494 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, 12.070, 323.494 by changing the saturation by 10% instead.




 61, 12.070,  
323.494

 61, 12.070,  
323.494


 100, 12.070,  
323.494


 51, 12.070,  
323.494


 81, 12.070,  
323.494

 41, 12.070,  
323.494

 91, 12.070,  
323.494

 31, 12.070,  
323.494

 21, 12.070,  
323.494

 11, 12.070,  
323.494

 1, 12.070, 323.494

 0, 12.070, 323.494

61, 12.070,  
323.494

61, 12.070,  
323.494

57, 22.893,  
324.003

65, 1.336, 322.855

53, 33.653,  
324.494

70, 9.202, 142.544

49, 44.121,  
324.956

74, 19.485,  
142.059

46, 53.991,  
325.371

79, 29.479,  
141.604

43, 62.882,  
325.716

83, 39.172,  
141.176

40, 70.376,  
325.971

88, 48.561,  
140.775


38, 76.091,  
326.114


92, 57.656,  
140.401

37, 79.796,

93, 58.069,  
140.173

326.136

 93, 57.901,  
139.951

 36, 81.799,  
326.080

# Harmonies

# Complementary

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



61, 12.070, 323.494



64, 12.039, 142.355

# Rectangle

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



61, 12.070, 323.494



61, 12.070, 13.494



61, 12.070, 143.494



61, 12.070, 193.494

# Sweetspot

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



61, 12.068, 323.494



82, 3.984, 323.037



60, 9.501, 288.577



43, 3.014, 323.089



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



61, 12.068, 323.494



77, 17.364, 323.597



61, 9.059, 341.059



31, 6.000, 323.389



32, 75.267, 326.100



1, 7.773, 322.599



# Inverse Universe

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



61, 7.161, 15.581



76, 10.364, 15.764



64, 8.963, 159.383



31, 3.540, 15.401



29, 65.218, 36.915

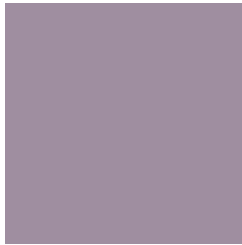


1, 4.490, 15.028



# Previews

## White Background



This preview shows how the CIELCh color 61, 12.070, 323.494 looks on a white background.

## Color Contrast Check

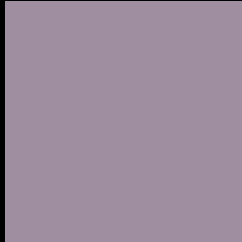
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.070, 323.494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

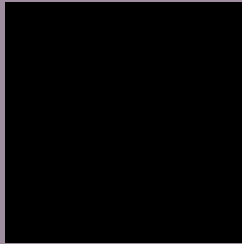
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 61, 12.070, 323.494**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 61, 12.070, 323.494.



This preview shows how white text looks on a background with the CIELCh color 61, 12.070, 323.494.

# 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, 12.070, 323.494


### Protanopia

61, 9.580, 289.041

### Deuteranopia

61, 10.820, 318.178





**Tritanopia**  
61, 8.503, 333.554

# Trichromacy



**Original Color**  
61, 12.070, 323.494

**Protanomaly**  
61, 9.791, 302.198

**Deuteranomaly**  
61, 10.998, 319.962

**Tritanomaly**  
61, 9.347, 328.828

# Monochromacy



**Original Color**  
61, 12.070, 323.494

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
61, 4.796, 324.642

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 12.070, 323.494 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(159, 142, 160)` looks like.

```
.text, #text, p{  
    color:rgb(159, 142, 160)  
}
```

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(159, 142, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 142, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 12.070, 323.494 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(159, 142, 160) }
```

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

```
.border{ border-color:rgb(159, 142, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 142, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 142, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 142, 160);  
box-shadow:4px 4px 4px 4px rgb(159, 142,  
160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 12.070, 323.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 142, 160) }
```

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

```
.background{ background-color: rgb(159,  
142, 160) }
```

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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