

# Converting Colors

CIELCh(61, 10.619, 327.246)

Have a look what the booklet for  
CIELCh(61, 10.619, 327.246)  
contains.

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# Color

**CIELCh(61, 10.705, 328.403)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F8E9D
RGB	159, 142, 157
RGB Percent	62%, 56%, 62%
CMY	0.3756, 0.4423, 0.3834
CMYK	0.00, 0.11, 0.01, 0.38
HSL	307°, 8%, 59%
HSV	307°, 11%, 62%
XYZ	30.1542, 29.2481, 36.0555
YIQ	148.7930, 5.3170, 8.2690

# Conversions

## Conversions Part 2

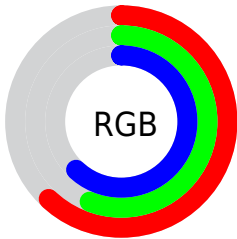
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 142, 157
Decimal	10456733
CIE <sub>Lab</sub>	61.00, 9.12, -5.61
CIE <sub>LCh</sub>	61, 10.705, 328.403
Yxy	29.2481, 0.3159, 0.3064
Android (android.graphics.Color)	4288646813 (0xFF9F8E9D)
YUV	148.7930, 4.0461, 8.9515
Hunter-Lab	54.0815, 4.8833, -1.6708

# Details

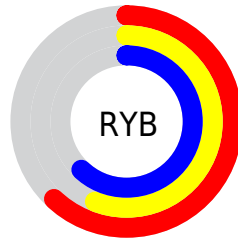
The CIELCh color  $61, 10.705, 328.403$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $64, 10.681, 147.187$ , and the grayscale version is  $62, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 10.761, 328.072$ , and  $41, 10.769, 328.849$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 20.808, 328.998$ , and if you desaturate by 10%, it is  $65, 0.681, 327.500$ .

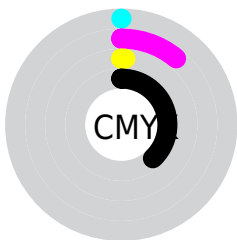
# Distribution



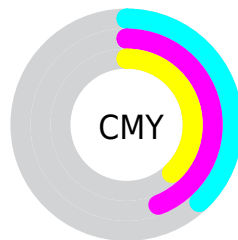
- Red (62%)
- Green (56%)
- Blue (62%)



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



- Cyan (0%)
- Magenta (11%)
- Yellow (1%)
- Black (38%)




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


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 10.705, 328.403 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, 10.705, 328.403 by changing the saturation by 10% instead.





 61, 10.705,  
328.403


 61, 10.705,  
328.403


 100, 10.705,  
328.403


 51, 10.705,  
328.403


 81, 10.705,  
328.403

 41, 10.705,  
328.403

 91, 10.705,  
328.403

 31, 10.705,  
328.403

 21, 10.705,  
328.403

 11, 10.705,  
328.403

 1, 10.705, 328.403

 0, 10.705, 328.403

61, 10.705,  
328.403

61, 10.705,  
328.403

57, 20.808,  
328.998

65, 0.681, 327.500

53, 30.841,  
329.591

70, 9.159, 147.329

49, 40.578,  
330.182

74, 18.758,  
146.783

46, 49.717,  
330.764

79, 28.086,  
146.270

43, 57.882,  
331.333

83, 37.131,  
145.784

40, 64.663,  
331.886

88, 45.894,  
145.325


39, 69.686,  
332.428

92, 54.384,  
144.893

37, 72.727,

93, 54.375,  
145.399

332.970

 93, 53.616,  
146.003

 37, 74.186,  
333.483

# Harmonies

# Complementary

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



61, 10.705, 328.403



64, 10.681, 147.187

# Rectangle

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



61, 10.705, 328.403



61, 10.705, 18.403



61, 10.705, 148.403



61, 10.705, 198.403

# Sweetspot

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



61, 10.703, 328.404



81, 3.701, 327.911



60, 9.664, 295.639



43, 2.829, 327.971



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, 10.703, 328.404



76, 16.128, 328.557



61, 7.604, 351.368



31, 5.630, 328.317



33, 68.560, 333.429



1, 7.204, 328.552



# Inverse Universe

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



61, 10.703, 328.404



76, 16.128, 328.557



64, 7.437, 169.555



31, 5.630, 328.317



33, 68.560, 333.429

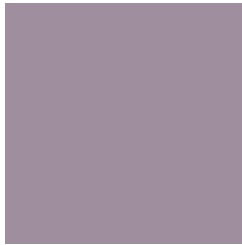


1, 7.204, 328.552



# Previews

## White Background



This preview shows how the CIELCh color 61, 10.705, 328.403 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, 10.705, 328.403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

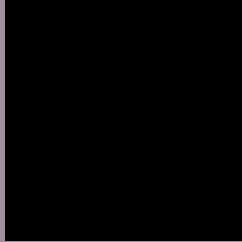
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 10.705, 328.403

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 10.705, 328.403.



This preview shows how white text looks on a background with the CIELCh color 61, 10.705, 328.403.

# 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, 10.705, 328.403

**Protanopia**  
61, 7.890, 291.061

**Deuteranopia**  
61, 9.570, 324.897





**Tritanopia**  
61, 8.771, 335.444

# Trichromacy



**Original Color**  
61, 10.705, 328.403

**Protanomaly**  
61, 8.240, 306.942

**Deuteranomaly**  
61, 9.790, 326.787

**Tritanomaly**  
61, 9.172, 332.951

# Monochromacy



**Original Color**  
61, 10.705, 328.403

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 3.661, 329.554

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 10.705, 328.403 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(159, 142, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 142, 157) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 10.705, 328.403 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, 157) }
```

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

```
.border{ border-color:rgb(159, 142, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 142, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 142, 157);  
box-shadow:4px 4px 4px 4px rgb(159, 142,  
157) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 10.705, 328.403 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, 157) }
```

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

```
.background{ background-color: rgb(159,  
142, 157) }
```

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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