

# Converting Colors

CIELCh(62, 12.901, 314.832)

Have a look what the booklet for  
CIELCh(62, 12.901, 314.832)  
contains.

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# Color

**CIELCh(62, 12.969, 315.178)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F91A6
RGB	159, 145, 166
RGB Percent	62%, 57%, 65%
CMY	0.3762, 0.4311, 0.3488
CMYK	0.04, 0.13, 0.00, 0.35
HSL	280°, 11%, 61%
HSV	280°, 13%, 65%
XYZ	31.3341, 30.4025, 40.3234
YIQ	151.5800, 1.6030, 9.4990

# Conversions

## Conversions Part 2

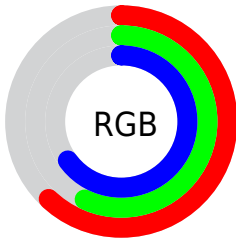
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 145, 166
Decimal	10457510
CIE Lab	62.00, 9.20, -9.14
CIE LCh	62, 12.969, 315.178
Yxy	30.4025, 0.3070, 0.2979
Android (android.graphics.Color)	4288647590 (0xFF9F91A6)
YUV	151.5800, 7.1091, 6.5073
Hunter-Lab	55.1385, 4.9456, -4.7625

# Details

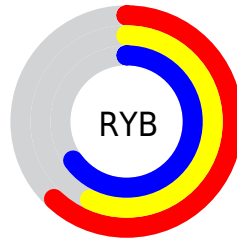
The CIELCh color  $62, 12.969, 315.178$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $67, 12.824, 134.145$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 12.896, 315.556$ , and  $42, 12.660, 315.890$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 23.450, 315.612$ , and if you desaturate by 10%, it is  $67, 2.686, 314.720$ .

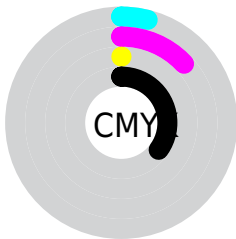
# Distribution



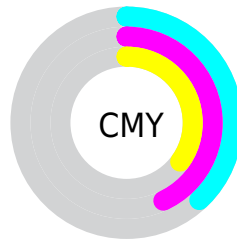
- Red (62%)
- Green (57%)
- Blue (65%)



- Red (62%)
- Yellow (57%)
- Blue (65%)



- Cyan (4%)
- Magenta (13%)
- Yellow (0%)
- Black (35%)




- Cyan (38%)
- Magenta (43%)
- Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 12.969, 315.178 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 62, 12.969, 315.178 by changing the saturation by 10% instead.





 62, 12.969,  
315.178


 62, 12.969,  
315.178


 100, 12.969,  
315.178


 52, 12.969,  
315.178


 82, 12.969,  
315.178

 42, 12.969,  
315.178

 92, 12.969,  
315.178

 32, 12.969,  
315.178

 22, 12.969,  
315.178

 12, 12.969,  
315.178

 2, 12.969, 315.178

 0, 12.969, 315.178

62, 12.969,  
315.178

62, 12.969,  
315.178

57, 23.450,  
315.612

67, 2.686, 314.720

53, 34.044,  
316.048

72, 7.344, 134.408

48, 44.602,  
316.466

77, 17.099,  
134.037

44, 54.886,  
316.837

82, 26.573,  
133.706

40, 64.550,  
317.117

86, 35.767,  
133.408

36, 73.123,  
317.249

91, 44.690,  
133.140

33, 80.055,  
317.167

94, 49.742,  
132.245

31, 84.848,

95, 48.861,  
130.214

316.802

95, 48.038,  
128.076

30, 87.368,  
316.412

# Harmonies

# Complementary

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



62, 12.969, 315.178



67, 12.824, 134.145

# Rectangle

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



62, 12.969, 315.178



62, 12.969, 5.178



62, 12.969, 135.178



62, 12.969, 185.178

# Sweetspot

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



62, 12.967, 315.177



84, 5.050, 314.797



63, 8.043, 271.470



45, 3.620, 314.832



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



62, 12.967, 315.177



78, 19.159, 315.291



63, 12.838, 329.567



33, 5.846, 315.032



26, 80.196, 316.508



1, 10.363, 312.136



# Inverse Universe

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



62, 9.094, 354.840



78, 13.462, 355.122



66, 12.806, 148.062



33, 4.090, 354.489



31, 57.335, 16.960

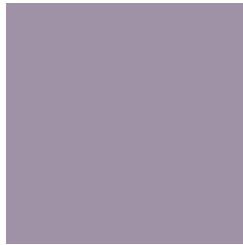


2, 7.155, 356.871



# Previews

## White Background



This preview shows how the CIELCh color 62, 12.969, 315.178 looks on a white background.

## Color Contrast Check

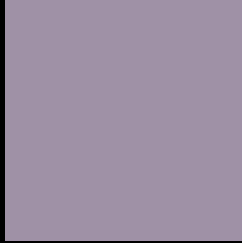
Large Text (above 18pt) WCAG AA × Fail

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 62, 12.969, 315.178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

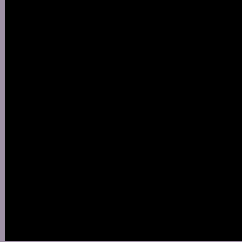
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 12.969, 315.178

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 12.969, 315.178.



This preview shows how white text looks on a background with the CIELCh color 62, 12.969, 315.178.

# 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

62, 12.969, 315.178

### Protanopia

62, 10.677, 287.430

### Deuteranopia

62, 12.016, 311.300





**Tritanopia**  
62, 8.187, 324.822

# Trichromacy



**Original Color**  
62, 12.969, 315.178

**Protanomaly**  
62, 10.749, 297.240

**Deuteranomaly**  
62, 12.150, 312.973

**Tritanomaly**  
62, 9.618, 319.195

# Monochromacy



**Original Color**  
62, 12.969, 315.178

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
62, 5.064, 317.474

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 12.969, 315.178 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, 145, 166)` looks like.

```
.text, #text, p{  
    color:rgb(159, 145, 166)  
}
```

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, 145, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 145, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 12.969, 315.178 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, 145, 166) }
```

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

```
.border{ border-color:rgb(159, 145, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 145, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 145, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 145, 166); box-shadow:4px 4px 4px 4px rgb(159, 145, 166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 12.969, 315.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 145, 166) }
```

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

```
.background{ background-color: rgb(159,  
145, 166) }
```

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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