

# Converting Colors

CIELCh(62, 3.175, 8.751)

Have a look what the booklet for  
CIELCh(62, 3.175, 8.751) contains.

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# Color

**CIELCh(62, 3.169, 9.412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9C9495
RGB	156, 148, 149
RGB Percent	61%, 58%, 58%
CMY	0.3884, 0.4197, 0.4158
CMYK	0.00, 0.05, 0.04, 0.39
HSL	353°, 4%, 60%
HSV	353°, 5%, 61%
XYZ	29.7103, 30.4025, 32.7220
YIQ	150.5060, 4.4470, 2.0070

# Conversions

## Conversions Part 2

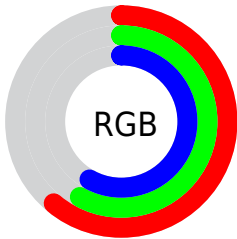
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	156, 148, 149
Decimal	10261653
CIE Lab	62.00, 3.13, 0.52
CIE LCh	62, 3.169, 9.412
Yxy	30.4025, 0.3200, 0.3275
Android (android.graphics.Color)	4288451733 (0xFF9C9495)
YUV	150.5060, -0.7425, 4.8182
Hunter-Lab	55.1385, -0.3110, 3.4113

# Details

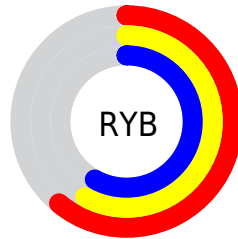
The CIELCh color **62, 3.169, 9.412** is a light color, and the websafe version is hex **999999**. A complement of this color would be **64, 3.090, 188.891**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 2.988, 9.263**, and **42, 3.426, 9.645** is the 20% darker color. If you saturate the color by 10%, you get **57, 9.634, 10.460**, and if you desaturate by 10%, it is **67, 2.913, 188.942**.

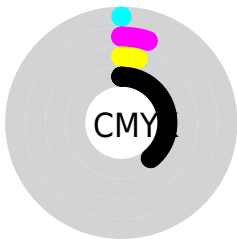
# Distribution



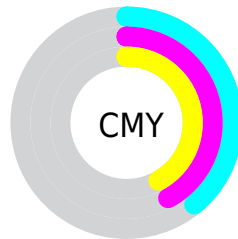
- Red (61%)
- Green (58%)
- Blue (58%)



- Red (61%)
- Yellow (58%)
- Blue (58%)



- Cyan (0%)
- Magenta (5%)
- Yellow (4%)
- Black (39%)



- Cyan (39%)
- Magenta (42%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 3.169, 9.412 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, 3.169, 9.412 by changing the saturation by 10% instead.



 62, 3.169, 9.412

 62, 3.169, 9.412

 100, 3.169, 9.412

 52, 3.169, 9.412

 82, 3.169, 9.412

 42, 3.169, 9.412

 92, 3.169, 9.412

 32, 3.169, 9.412

 22, 3.169, 9.412

 12, 3.169, 9.412


 2, 3.169, 9.412

 0, 3.169, 9.412

 62, 3.169, 9.412

 62, 3.169, 9.412

 57, 9.634, 10.460

 67, 2.913, 188.942

53, 16.477, 11.602

71, 8.622, 188.171

49, 23.653, 12.987

76, 13.985,  
187.570

45, 31.062, 14.706

81, 19.033,  
187.052

41, 38.540, 16.871

38, 45.861, 19.609

85, 23.799,  
186.596

36, 52.772, 23.037

90, 28.313,  
186.189

34, 59.061, 27.183

32, 64.585, 31.812

94, 31.705,  
187.566

94, 30.416,  
197.545

# Harmonies

# Complementary

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



62, 3.169, 9.412



64, 3.090, 188.891

# Rectangle

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



62, 3.169, 9.412



62, 3.169, 59.412



62, 3.169, 189.412



62, 3.169, 239.412

# Sweetspot

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



62, 3.168, 9.436



81, 1.525, 8.966



62, 5.241, 320.964



43, 0.865, 8.933



91, 0.011, 296.813



43, 0.006, 296.813



# Same Dimension

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



62, 3.168, 9.436



79, 4.627, 9.544



63, 2.551, 59.216



32, 2.483, 9.582



29, 62.691, 33.424



1, 4.549, 9.667





# Inverse Universe

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



62, 3.168, 9.436



79, 4.627, 9.544



63, 2.502, 240.460



32, 2.483, 9.582



29, 62.691, 33.424



1, 4.549, 9.667



# Previews

## White Background



This preview shows how the CIELCh color 62, 3.169, 9.412 looks on a white background.

## Color Contrast Check

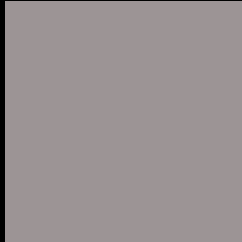
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 62, 3.169, 9.412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

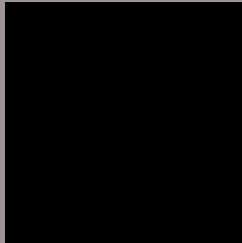
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

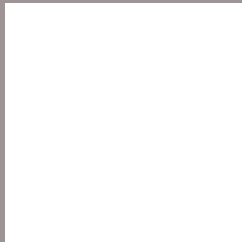
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 62, 3.169, 9.412**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 62, 3.169, 9.412.

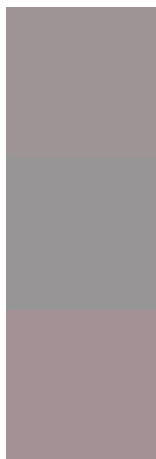


This preview shows how white text looks on a background with the CIELCh color 62, 3.169, 9.412.

# 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

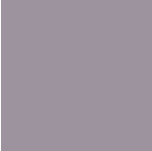
62, 3.169, 9.412

### Protanopia

62, 1.297, 353.574

### Deuteranopia

62, 7.957, 359.612



**Tritanopia**  
62, 7.294, 322.275



# Trichromacy



## Original Color

62, 3.169, 9.412

## Protanomaly

62, 1.654, 359.507

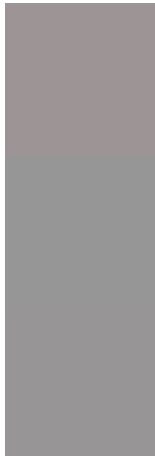
## Deuteranomaly

62, 6.282, 359.116

## Tritanomaly

62, 5.939, 330.870

# Monochromacy



## Original Color

62, 3.169, 9.412

## Achromatopsia

62, 0.008, 296.813

## Achromatomaly

62, 1.297, 353.574

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 3.169, 9.412 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(156, 148, 149)` looks like.

```
.text, #text, p{  
    color:rgb(156, 148, 149)  
}
```

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(156, 148, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 148, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 3.169, 9.412 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(156, 148, 149) }
```

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

```
.border{ border-color:rgb(156, 148, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 148, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 148, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 148, 149);  
box-shadow:4px 4px 4px 4px rgb(156, 148,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 3.169, 9.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 148, 149) }
```

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

```
.background{ background-color: rgb(156,  
148, 149) }
```

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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