

# Converting Colors

CIELCh(62, 9.797, 18.606)

Have a look what the booklet for  
CIELCh(62, 9.797, 18.606) contains.

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# Color

**CIELCh(62, 9.968, 17.155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A99091
RGB	169, 144, 145
RGB Percent	66%, 56%, 57%
CMY	0.3375, 0.4355, 0.4316
CMYK	0.00, 0.15, 0.14, 0.34
HSL	358°, 13%, 61%
HSV	358°, 15%, 66%
XYZ	31.4228, 30.4025, 30.9792
YIQ	151.5890, 14.5790, 5.6110

# Conversions

## Conversions Part 2

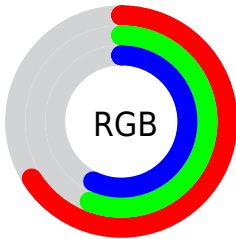
Format	Color
R <sub>Y</sub> B	169, 144, 145
Decimal	11112593
CIE Lab	62.00, 9.52, 2.94
CIE LCh	62, 9.968, 17.155
Yxy	30.4025, 0.3386, 0.3276
Android (android.graphics.Color)	4289302673 (0xFFA99091)
YUV	151.5890, -3.2484, 15.2694
Hunter-Lab	55.1385, 5.2328, 5.2853

# Details

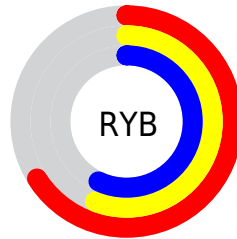
The CIELCh color  $62, 9.968, 17.155$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $67, 9.140, 195.206$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 9.731, 17.012$ , and  $42, 9.954, 17.284$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 17.308, 18.180$ , and if you desaturate by 10%, it is  $67, 3.115, 16.264$ .

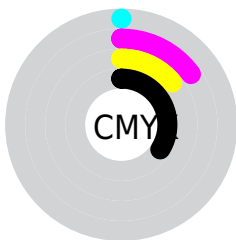
# Distribution



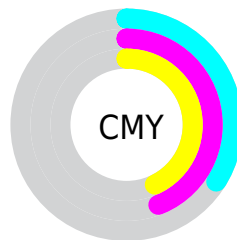
- Red (66%)
- Green (56%)
- Blue (57%)



- Red (66%)
- Yellow (56%)
- Blue (57%)



- Cyan (0%)
- Magenta (15%)
- Yellow (14%)
- Black (34%)



- Cyan (34%)
- Magenta (44%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 9.968, 17.155 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, 9.968, 17.155 by changing the saturation by 10% instead.



 62, 9.968, 17.155       62, 9.968, 17.155

 100, 9.968, 17.155       52, 9.968, 17.155

 82, 9.968, 17.155       42, 9.968, 17.155

 92, 9.968, 17.155       32, 9.968, 17.155

 22, 9.968, 17.155

 12, 9.968, 17.155

 2, 9.968, 17.155

 0, 9.968, 17.155

 62, 9.968, 17.155       62, 9.968, 17.155

 57, 17.308, 18.180       67, 3.115, 16.264

53, 25.116, 19.453

72, 3.258, 195.924

48, 33.313, 21.077

77, 9.184, 195.302

45, 41.748, 23.163

82, 14.704,  
194.845

41, 50.199, 25.822

87, 19.862,  
194.468

38, 58.383, 29.116

36, 65.955, 32.934

92, 24.698,  
194.150

35, 72.308, 36.741

95, 27.038,  
197.751

35, 75.026, 38.233

# Harmonies

# Complementary

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



62, 9.968, 17.155



67, 9.140, 195.206

# Rectangle

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



62, 9.968, 17.155



62, 9.968, 67.155



62, 9.968, 197.155



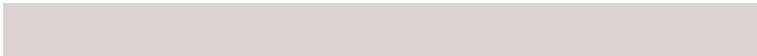
62, 9.968, 247.155

# Sweetspot

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



62, 9.966, 17.164



85, 3.205, 16.185



63, 16.653, 323.836



45, 2.280, 16.264



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, 9.966, 17.164



77, 15.185, 17.499



65, 8.305, 68.114



33, 3.725, 16.675



30, 67.611, 37.753



1, 6.585, 16.549





# Inverse Universe

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



62, 9.966, 17.164



77, 15.185, 17.499



64, 7.910, 251.736



33, 3.725, 16.675



30, 67.611, 37.753

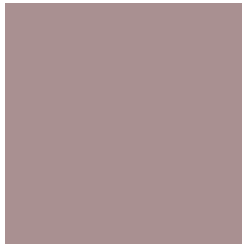


1, 6.585, 16.549



# Previews

## White Background



This preview shows how the CIELCh color 62, 9.968, 17.155 looks on a white background.

## Color Contrast Check

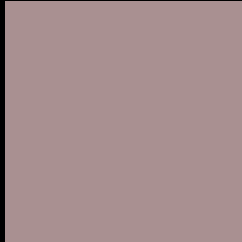
Large Text (above 18pt) WCAG AA × Fail

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, 9.968, 17.155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

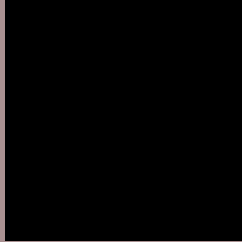
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 9.968, 17.155

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 9.968, 17.155.



This preview shows how white text looks on a background with the CIELCh color 62, 9.968, 17.155.

# 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, 9.968, 17.155

### Protanopia

62, 1.645, 39.141

### Deuteranopia

62, 8.340, 20.170



**Tritanopia**  
62, 12.193, 350.395



# Trichromacy



**Original Color**  
62, 9.968, 17.155

**Protanomaly**  
62, 4.709, 19.767

**Deuteranomaly**  
62, 8.745, 20.212

**Tritanomaly**  
62, 11.503, 357.735

# Monochromacy



**Original Color**  
62, 9.968, 17.155

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
62, 3.511, 19.614

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 9.968, 17.155 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(169, 144, 145)` looks like.

```
.text, #text, p{  
    color:rgb(169, 144, 145)  
}
```

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(169, 144, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 144, 145) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 9.968, 17.155 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(169, 144, 145) }
```

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

```
.border{ border-color:rgb(169, 144, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 144, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 144, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 144, 145); box-shadow:4px 4px 4px 4px rgb(169, 144, 145) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 9.968, 17.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 144, 145) }
```

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

```
.background{ background-color: rgb(169,  
144, 145) }
```

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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