

# Converting Colors

CIELCh(68, 16.509, 197.981)

Have a look what the booklet for  
CIELCh(68, 16.509, 197.981)  
contains.

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# **Color**

**CIELCh(68, 16.337, 198.077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FAEAE
RGB	127, 174, 174
RGB Percent	50%, 68%, 68%
CMY	0.5009, 0.3166, 0.3166
CMYK	0.27, 0.00, 0.00, 0.32
HSL	180°, 23%, 59%
HSV	180°, 27%, 68%
XYZ	31.6433, 37.9720, 45.8403
YIQ	159.9470, -28.0120, -9.9640

# Conversions

## Conversions Part 2

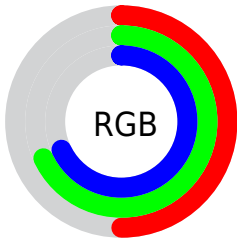
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 151, 174
Decimal	8367790
CIELab	68.00, -15.53, -5.07
CIELCh	68, 16.337, 198.077
Yxy	37.9720, 0.2741, 0.3289
Android (android.graphics.Color)	4286557870 (0xFF7FAEAE)
YUV	159.9470, 6.9281, -28.8945
Hunter-Lab	61.6215, -16.1757, -0.9709

# Details

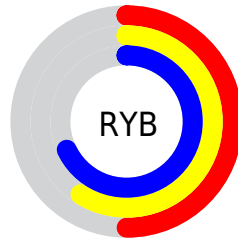
The CIELCh color **68, 16.337, 198.077** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 19.550, 21.508**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 16.522, 196.497**, and **48, 16.055, 199.836** is the 20% darker color. If you saturate the color by 10%, you get **67, 21.521, 197.647**, and if you desaturate by 10%, it is **69, 10.624, 198.558**.

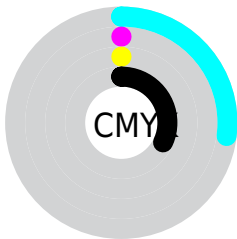
# Distribution



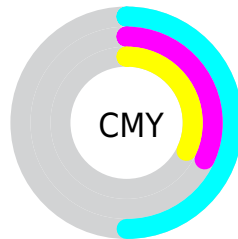
- Red (50%)
- Green (68%)
- Blue (68%)



- Red (50%)
- Yellow (59%)
- Blue (68%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)




- Cyan (50%)
- Magenta (32%)
- Yellow (32%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 16.337, 198.077 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 68, 16.337, 198.077 by changing the saturation by 10% instead.





 68, 16.337,  
198.077


 68, 16.337,  
198.077


 100, 16.337,  
198.077


 58, 16.337,  
198.077


 88, 16.337,  
198.077

 48, 16.337,  
198.077

 98, 16.337,  
198.077

 38, 16.337,  
198.077

 28, 16.337,  
198.077

 18, 16.337,  
198.077

 8, 16.337, 198.077

 0, 16.337, 198.077

68, 16.337,  
198.077

68, 16.337,  
198.077

67, 21.521,  
197.647

69, 10.624,  
198.558

66, 26.074,  
197.281

70, 4.483, 199.133

72, 1.988, 19.319

66, 29.911,  
196.978

73, 8.699, 20.087

65, 32.971,  
196.739

75, 15.575, 20.708

65, 35.227,  
196.565

76, 22.550, 21.327

78, 29.573, 21.949

65, 36.699,  
196.452

79, 31.896, 22.154

65, 37.486,  
196.391

79, 31.896, 22.153

65, 37.672,



# Harmonies

# Complementary

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



68, 16.337, 198.077



58, 19.550, 21.508

# Rectangle

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



68, 16.337, 198.077



68, 16.337, 248.077



68, 16.337, 18.077



68, 16.337, 68.077

# Sweetspot

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



68, 16.337, 198.073



89, 6.356, 199.056



67, 31.473, 142.237



47, 4.537, 198.964



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



68, 16.337, 198.073



86, 23.518, 197.828



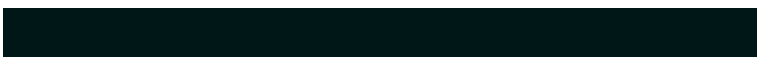
62, 15.021, 257.600



36, 3.603, 198.984



56, 33.809, 196.377



6, 7.801, 199.414



# Inverse Universe

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



58, 19.550, 21.508



71, 29.345, 22.172



64, 16.275, 70.355



34, 3.818, 19.904



31, 69.980, 39.444

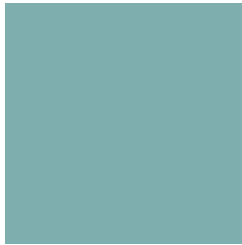


2, 7.802, 19.401



# Previews

## White Background



This preview shows how the CIE LCh color 68, 16.337, 198.077 looks on a white background.

## Color Contrast Check

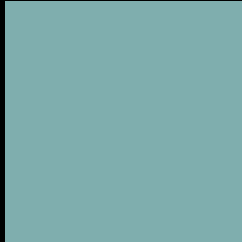
Large Text (above 18pt) WCAG AA × Fail

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 68, 16.337, 198.077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

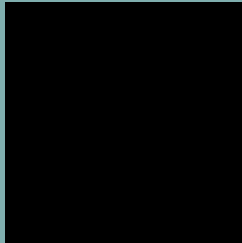
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

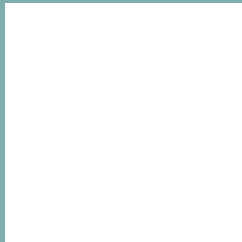
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 68, 16.337, 198.077

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 16.337, 198.077.

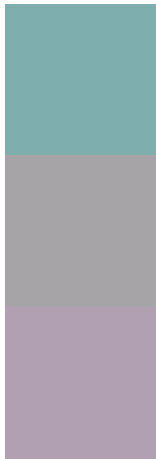


This preview shows how white text looks on a background with the CIELCh color 68, 16.337, 198.077.

# 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**  
68, 16.337, 198.077

**Protanopia**  
68, 2.497, 317.325

**Deuteranopia**  
68, 11.167, 323.321





**Tritanopia**  
68, 15.905, 227.612

# Trichromacy



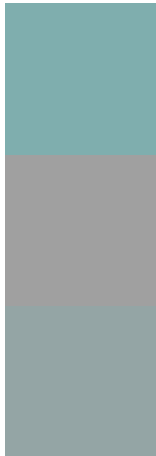
**Original Color**  
68, 16.337, 198.077

**Protanomaly**  
68, 5.602, 210.403

**Deuteranomaly**  
68, 6.535, 267.814

**Tritanomaly**  
68, 15.646, 216.870

# Monochromacy



**Original Color**  
68, 16.337, 198.077

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
66, 6.283, 198.931

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 16.337, 198.077 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(127, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(127, 174, 174)  
}
```

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(127, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 174, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 16.337, 198.077 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(127, 174, 174) }
```

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

```
.border{ border-color:rgb(127, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(127, 174,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 16.337, 198.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 174, 174) }
```

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

```
.background{ background-color: rgb(127,  
174, 174) }
```

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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