

# Converting Colors

CIELCh(69, 9.811, 198.744)

Have a look what the booklet for  
CIELCh(69, 9.811, 198.744) contains.

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# Color

**CIELCh(69, 10.085, 198.609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92AEAE
RGB	146, 174, 174
RGB Percent	57%, 68%, 68%
CMY	0.4281, 0.3184, 0.3184
CMYK	0.16, 0.00, 0.00, 0.32
HSL	180°, 15%, 63%
HSV	180°, 16%, 68%
XYZ	34.5447, 39.3444, 45.7240
YIQ	165.6280, -16.6880, -5.9360

# Conversions

## Conversions Part 2

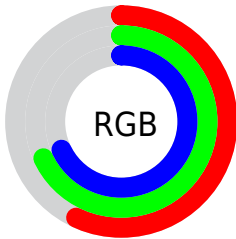
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 160, 174
Decimal	9612974
CIELab	69.00, -9.56, -3.22
CIELCh	69, 10.085, 198.609
Yxy	39.3444, 0.2888, 0.3289
Android (android.graphics.Color)	4287803054 (0xFF92AEAE)
YUV	165.6280, 4.1274, -17.2138
Hunter-Lab	62.7251, -11.4633, 0.6876

# Details

The CIELCh color **69, 10.085, 198.609** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 11.175, 20.453**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 10.012, 198.781**, and **49, 10.206, 198.339** is the 20% darker color. If you saturate the color by 10%, you get **68, 15.829, 198.111**, and if you desaturate by 10%, it is **70, 3.925, 199.193**.

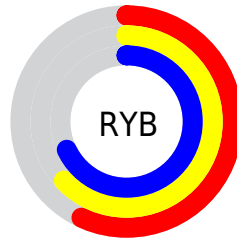
# Distribution



Red (57%)

Green (68%)

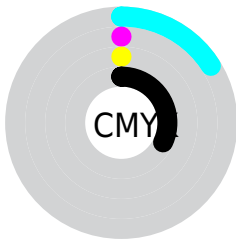
Blue (68%)



Red (57%)

Yellow (63%)

Blue (68%)

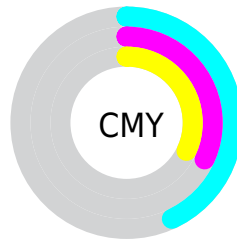


Cyan (16%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (43%)

Magenta (32%)


Yellow (32%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 10.085, 198.609 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 69, 10.085, 198.609 by changing the saturation by 10% instead.





 69, 10.085,  
198.609


 69, 10.085,  
198.609


 100, 10.085,  
198.609


 59, 10.085,  
198.609


 89, 10.085,  
198.609

 49, 10.085,  
198.609

 99, 10.085,  
198.609

 39, 10.085,  
198.609

 29, 10.085,  
198.609

 19, 10.085,  
198.609

 9, 10.085, 198.609

 0, 10.085, 198.609

69, 10.085,  
198.609

69, 10.085,  
198.609

68, 15.829,  
198.111

70, 3.925, 199.193

72, 2.556, 19.422

67, 21.051,  
197.680

73, 9.271, 20.140

66, 25.654,  
197.309

75, 16.142, 20.759

66, 29.549,  
197.000

76, 23.109, 21.379

78, 30.120, 22.001

65, 32.672,  
196.756

79, 32.093, 22.175

65, 34.994,  
196.575

79, 32.093, 22.174

79, 32.093, 22.173

65, 36.530,  
196.457

64, 37.361,

196.392

■ 64, 37.601,  
196.374

# Harmonies

# Complementary

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



69, 10.085, 198.609



63, 11.175, 20.453

# Rectangle

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



69, 10.085, 198.609



69, 10.085, 248.609



69, 10.085, 18.609



69, 10.085, 68.609

# Sweetspot

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



69, 10.086, 198.601



89, 4.001, 199.273



68, 18.726, 143.046



48, 2.747, 199.218



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



69, 10.086, 198.601



87, 14.636, 198.436



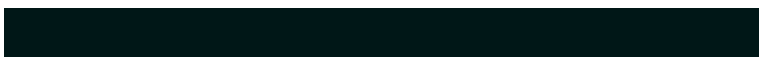
65, 9.025, 255.784



36, 3.603, 198.982



56, 33.810, 196.374



6, 7.801, 199.412



# Inverse Universe

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



63, 11.175, 20.453



78, 16.581, 20.738



66, 9.440, 71.649



34, 3.818, 19.903



31, 69.979, 39.443



2, 7.802, 19.399



# Previews

## White Background



This preview shows how the CIELCh color 69, 10.085, 198.609 looks on a white background.

## Color Contrast Check

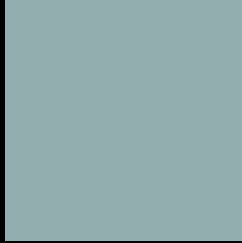
Large Text (above 18pt) WCAG AA × Fail

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 69, 10.085, 198.609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

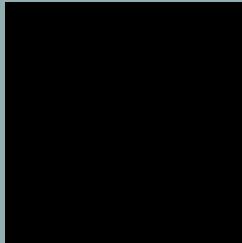
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

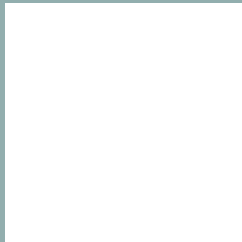
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 69, 10.085, 198.609

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 10.085, 198.609.

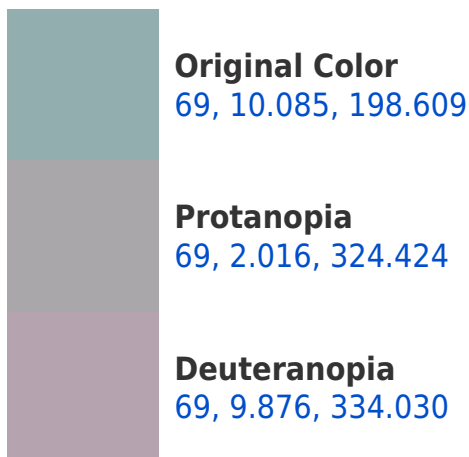


This preview shows how white text looks on a background with the CIELCh color 69, 10.085, 198.609.

# 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







**Tritanopia**  
69, 11.215, 242.389

# Trichromacy



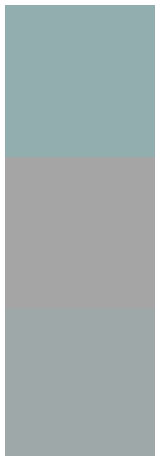
**Original Color**  
69, 10.085, 198.609

**Protanomaly**  
69, 3.148, 219.779

**Deuteranomaly**  
69, 4.424, 295.444

**Tritanomaly**  
69, 10.302, 227.560

# Monochromacy



**Original Color**  
69, 10.085, 198.609

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 3.722, 199.213

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 10.085, 198.609 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(146, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 174, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 10.085, 198.609 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(146, 174, 174) }
```

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

```
.border{ border-color:rgb(146, 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(146, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(146, 174,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 10.085, 198.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 174, 174) }
```

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

```
.background{ background-color: rgb(146,  
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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