

# Converting Colors

CIELCh(69, 10.937, 174.827)

Have a look what the booklet for  
CIELCh(69, 10.937, 174.827)  
contains.

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# Color

**CIELCh(69, 10.948, 174.819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93AEA6
RGB	147, 174, 166
RGB Percent	58%, 68%, 65%
CMY	0.4227, 0.3167, 0.3481
CMYK	0.16, 0.00, 0.05, 0.32
HSL	162°, 14%, 63%
HSV	162°, 16%, 68%
XYZ	34.1554, 39.3444, 41.9782
YIQ	165.0150, -13.5240, -8.2120

# Conversions

## Conversions Part 2

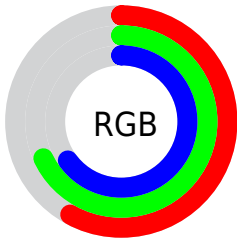
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 163, 174
Decimal	9678502
CIELab	69.00, -10.90, 0.99
CIELCh	69, 10.948, 174.819
Yxy	39.3444, 0.2958, 0.3407
Android (android.graphics.Color)	4287868582 (0xFF93AEA6)
YUV	165.0150, 0.4856, -15.7992
Hunter-Lab	62.7251, -12.5712, 4.2283

# Details

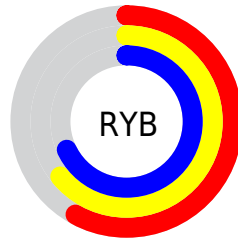
The CIELCh color **69, 10.948, 174.819** is a light color, and the websafe version is hex **999999**. A complement of this color would be **64, 11.447, 357.690**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 11.286, 174.114**, and **49, 11.266, 173.509** is the 20% darker color. If you saturate the color by 10%, you get **68, 17.790, 173.787**, and if you desaturate by 10%, it is **70, 3.915, 175.827**.

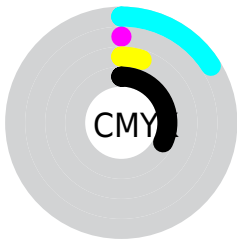
# Distribution



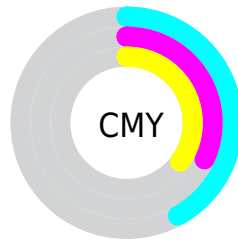
- Red (58%)
- Green (68%)
- Blue (65%)



- Red (58%)
- Yellow (64%)
- Blue (68%)



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (32%)




- Cyan (42%)
- Magenta (32%)
- Yellow (35%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 10.948, 174.819 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, 10.948, 174.819 by changing the saturation by 10% instead.




 69, 10.948,  
174.819


 69, 10.948,  
174.819


 100, 10.948,  
174.819


 59, 10.948,  
174.819


 89, 10.948,  
174.819

 49, 10.948,  
174.819

 99, 10.948,  
174.819

 39, 10.948,  
174.819

 29, 10.948,  
174.819

 19, 10.948,  
174.819

 9, 10.948, 174.819

 0, 10.948, 174.819

69, 10.948,  
174.819

69, 10.948,  
174.819

68, 17.790,  
173.787

70, 3.915, 175.827

67, 24.328,  
172.682

72, 3.222, 356.466

66, 30.450,  
171.477

74, 10.384,  
357.392

65, 36.039,  
170.149

75, 17.511,  
358.201

64, 40.995,  
168.672

77, 24.559,  
358.963

64, 45.244,  
167.024

79, 31.493,  
359.688


63, 48.761,  
165.187


80, 33.449,  
356.197

63, 51.592,

80, 34.475,  
351.982

163.158

 80, 35.692,  
348.051

 63, 52.763,  
162.246

# Harmonies

# Complementary

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



69, 10.948, 174.819



64, 11.447, 357.690

# Rectangle

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



69, 10.948, 174.819



69, 10.948, 224.819



69, 10.948, 354.819



69, 10.948, 44.819

# Sweetspot

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



69, 10.949, 174.814



89, 4.412, 175.874



69, 16.521, 135.064



48, 3.033, 175.797



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, 10.949, 174.814



87, 16.569, 174.428



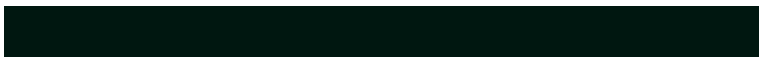
68, 8.266, 220.037



36, 4.004, 175.432



55, 47.155, 162.523



6, 8.997, 170.287



# Inverse Universe

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



64, 11.447, 357.690



79, 17.521, 358.126



65, 9.121, 39.178



34, 4.113, 357.020



31, 58.945, 20.429

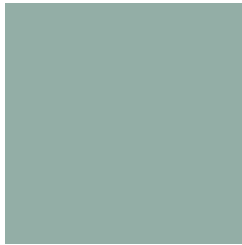


2, 8.305, 0.119



# Previews

## White Background



This preview shows how the CIELCh color 69, 10.948, 174.819 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 69, 10.948, 174.819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

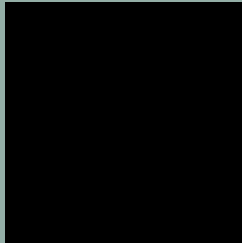
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

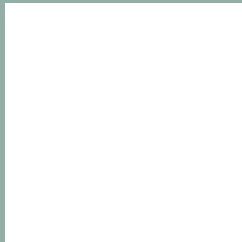
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 10.948, 174.819**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 10.948, 174.819.



This preview shows how white text looks on a background with the CIELCh color 69, 10.948, 174.819.

# 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

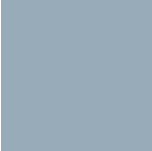


**Original Color**  
69, 10.948, 174.819

**Protanopia**  
69, 3.329, 74.628

**Deuteranopia**  
69, 8.696, 357.998





**Tritanopia**  
69, 10.286, 247.622

# Trichromacy



**Original Color**  
69, 10.948, 174.819

**Protanomaly**  
69, 4.245, 148.429

**Deuteranomaly**  
69, 1.620, 359.457

**Tritanomaly**  
69, 8.473, 221.827

# Monochromacy



**Original Color**  
69, 10.948, 174.819

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 3.781, 173.323

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 10.948, 174.819 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(147, 174, 166)` looks like.

```
.text, #text, p{  
    color:rgb(147, 174, 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(147, 174, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 174, 166) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 10.948, 174.819 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(147, 174, 166) }
```

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

```
.border{ border-color:rgb(147, 174, 166) }
```

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

Here you see how a box with a 4 pixel rgb(147, 174, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 174, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 174, 166);  
box-shadow:4px 4px 4px 4px rgb(147, 174,  
166) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 10.948, 174.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 174, 166) }
```

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

```
.background{ background-color: rgb(147,  
174, 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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