

# Converting Colors

CIELCh(74, 12.390, 191.440)

Have a look what the booklet for  
CIELCh(74, 12.390, 191.440)  
contains.

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# **Color**

**CIELCh(74, 12.557, 190.985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ABDBA
RGB	154, 189, 186
RGB Percent	60%, 74%, 73%
CMY	0.3968, 0.2595, 0.2713
CMYK	0.19, 0.00, 0.02, 0.26
HSL	175°, 21%, 67%
HSV	175°, 19%, 74%
XYZ	40.2921, 46.7039, 53.2416
YIQ	178.1930, -19.8970, -8.3530

# Conversions

## Conversions Part 2

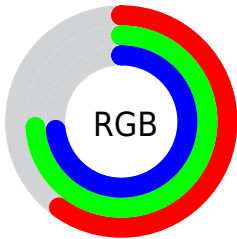
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 172, 189
Decimal	10141114
CIELab	74.00, -12.33, -2.39
CIELCh	74, 12.557, 190.985
Yxy	46.7039, 0.2873, 0.3330
Android (android.graphics.Color)	4288331194 (0xFF9ABDBA)
YUV	178.1930, 3.8489, -21.2173
Hunter-Lab	68.3403, -14.3555, 1.6474

# Details

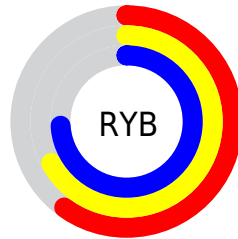
The CIELCh color **74, 12.557, 190.985** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 13.884, 13.912**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 12.400, 191.463**, and **54, 12.768, 190.323** is the 20% darker color. If you saturate the color by 10%, you get **73, 18.794, 190.220**, and if you desaturate by 10%, it is **75, 5.913, 191.766**.

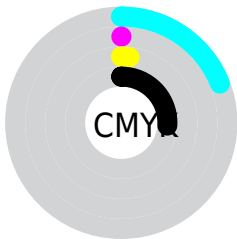
# Distribution



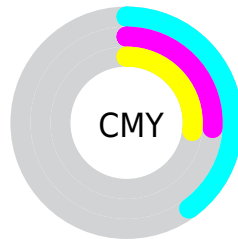
- Red (60%)
- Green (74%)
- Blue (73%)



- Red (60%)
- Yellow (67%)
- Blue (74%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)




- Cyan (40%)
- Magenta (26%)
- Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 12.557, 190.985 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 74, 12.557, 190.985 by changing the saturation by 10% instead.





 74, 12.557,  
190.985

 74, 12.557,  
190.985


 100, 12.557,  
190.985


 64, 12.557,  
190.985


 94, 12.557,  
190.985

 54, 12.557,  
190.985

 44, 12.557,  
190.985

 34, 12.557,  
190.985

 24, 12.557,  
190.985

 14, 12.557,  
190.985

 4, 12.557, 190.985

0, 12.557, 190.985

74, 12.557,  
190.985

74, 12.557,  
190.985

73, 18.794,  
190.220

75, 5.913, 191.766

72, 24.505,  
189.461

77, 1.035, 11.917

78, 8.190, 13.085

71, 29.578,  
188.691

80, 15.470, 13.843

70, 33.912,  
187.900

82, 22.811, 14.574

83, 25.463, 13.615

70, 37.432,  
187.075

83, 25.508, 11.721

69, 40.103,  
186.201

83, 25.584, 9.836

■ 69, 41.944,  
185.260

■ 83, 25.689, 7.965

■ 69, 43.089,  
184.249

■ 69, 43.238,  
184.102

# Harmonies

# Complementary

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



74, 12.557, 190.985



67, 13.884, 13.912

# Rectangle

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



74, 12.557, 190.985



74, 12.557, 240.985



74, 12.557, 10.985



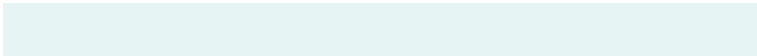
74, 12.557, 60.985

# Sweetspot

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



74, 12.558, 190.979



95, 5.155, 191.980



73, 22.454, 140.705



51, 3.414, 191.920



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



74, 12.558, 190.979



93, 18.221, 190.689



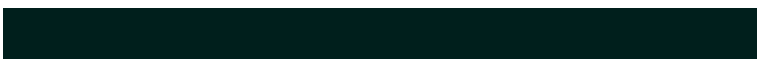
70, 10.479, 246.174



39, 3.918, 191.698



59, 37.869, 184.252



9, 12.157, 187.399



# Inverse Universe

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



67, 13.884, 13.912



82, 20.602, 14.339



70, 11.336, 62.000



37, 4.115, 12.988



33, 69.520, 36.021

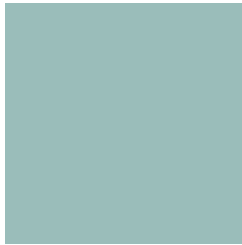


3, 12.311, 14.473



# Previews

## White Background



This preview shows how the CIELCh color 74, 12.557, 190.985 looks on a white background.

## Color Contrast Check

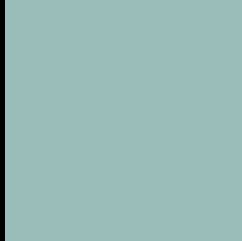
Large Text (above 18pt) WCAG AA × Fail

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 74, 12.557, 190.985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

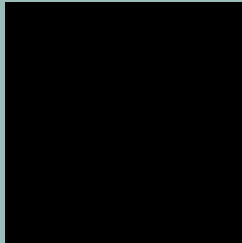
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

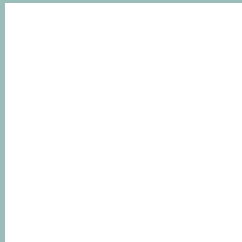
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 74, 12.557, 190.985**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 74, 12.557, 190.985.

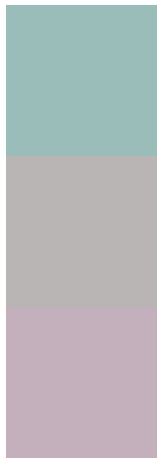


This preview shows how white text looks on a background with the CIELCh color 74, 12.557, 190.985.

# 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**  
74, 12.557, 190.985

**Protanopia**  
74, 1.496, 19.187

**Deuteranopia**  
74, 9.916, 339.365





## Tritanopia

74, 12.648, 238.983

# Trichromacy



**Original Color**  
74, 12.557, 190.985

**Protanomaly**  
74, 3.720, 190.870

**Deuteranomaly**  
74, 3.256, 290.507

**Tritanomaly**  
74, 11.504, 220.895

# Monochromacy



**Original Color**  
74, 12.557, 190.985

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
73, 4.805, 192.624

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 12.557, 190.985 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(154, 189, 186)` looks like.

```
.text, #text, p{  
    color:rgb(154, 189, 186)  
}
```

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(154, 189, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 189, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 12.557, 190.985 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(154, 189, 186) }
```

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

```
.border{ border-color:rgb(154, 189, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 189, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 189, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 189, 186); box-shadow:4px 4px 4px 4px rgb(154, 189, 186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 12.557, 190.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 189, 186) }
```

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

```
.background{ background-color: rgb(154,  
189, 186) }
```

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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