

# Converting Colors

CIELCh(72, 19.037, 155.244)

Have a look what the booklet for  
CIELCh(72, 19.037, 155.244)  
contains.

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# **Color**

**CIELCh(72, 19.102, 154.899)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	94B9A1
RGB	148, 185, 161
RGB Percent	58%, 73%, 63%
CMY	0.4190, 0.2738, 0.3680
CMYK	0.20, 0.00, 0.13, 0.27
HSL	141°, 21%, 65%
HSV	141°, 20%, 73%
XYZ	36.0743, 43.6590, 40.3201
YIQ	171.2010, -14.3480, -15.3080

# Conversions

## Conversions Part 2

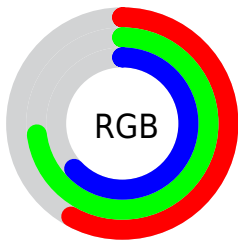
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 175, 185
Decimal	9746849
CIELab	72.00, -17.30, 8.10
CIELCh	72, 19.102, 154.899
Yxy	43.6590, 0.3005, 0.3637
Android (android.graphics.Color)	4287936929 (0xFF94B9A1)
YUV	171.2010, -5.0291, -20.3473
Hunter-Lab	66.0750, -18.1772, 10.0727

# Details

The CIELCh color **72, 19.102, 154.899** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65, 19.319, 337.896**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 19.044, 155.534**, and **52, 19.338, 154.010** is the 20% darker color. If you saturate the color by 10%, you get **71, 28.604, 153.949**, and if you desaturate by 10%, it is **74, 9.523, 155.743**.

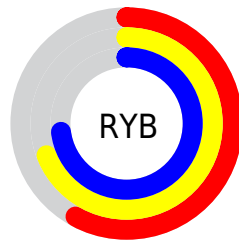
# Distribution



Red (58%)

Green (73%)

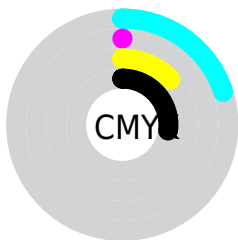
Blue (63%)



Red (58%)

Yellow (69%)

Blue (73%)

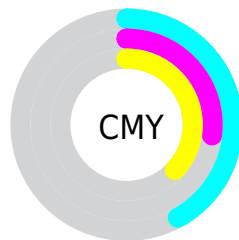


Cyan (20%)

Magenta (0%)

Yellow (13%)

Black (27%)



Cyan (42%)

Magenta (27%)


Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 19.102, 154.899 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 72, 19.102, 154.899 by changing the saturation by 10% instead.





 72, 19.102,  
154.899


 72, 19.102,  
154.899


 100, 19.102,  
154.899


 62, 19.102,  
154.899


 92, 19.102,  
154.899

 52, 19.102,  
154.899

 42, 19.102,  
154.899

 32, 19.102,  
154.899

 22, 19.102,  
154.899

 12, 19.102,  
154.899

 2, 19.102, 154.899

0, 19.102, 154.899

72, 19.102,  
154.899

72, 19.102,  
154.899

71, 28.604,  
153.949

74, 9.523, 155.743

69, 37.882,  
152.867

75, 0.021, 320.551

77, 9.438, 337.051

68, 46.775,  
151.627

79, 18.665,  
337.649

68, 55.109,  
150.209

81, 27.657,  
338.178

67, 62.721,  
148.600

83, 35.341,  
336.773

66, 69.477,  
146.799

83, 39.799,  
330.171

■ 66, 75.294,  
144.833

■ 84, 43.761,  
325.941

■ 66, 80.245,  
142.827

■ 66, 80.251,  
142.825

# Harmonies

# Complementary

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



72, 19.102, 154.899



65, 19.319, 337.896

# Rectangle

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



72, 19.102, 154.899



72, 19.102, 204.899



72, 19.102, 334.899



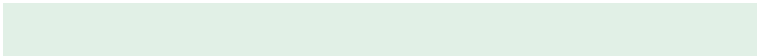
72, 19.102, 24.899

# Sweetspot

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



72, 19.104, 154.898



93, 7.042, 156.060



73, 20.546, 122.609



50, 4.670, 156.006



97, 0.011, 296.813



50, 0.007, 296.813



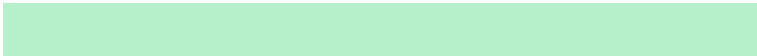


# Same Dimension

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



72, 19.104, 154.898



90, 28.283, 154.495



72, 13.612, 185.478



38, 5.364, 155.796



56, 70.069, 143.130



8, 15.767, 152.601



# Inverse Universe

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



65, 19.319, 337.896



80, 28.659, 338.255



65, 14.928, 9.057



36, 5.399, 337.064



34, 62.052, 348.472

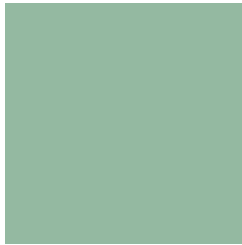


3, 13.491, 342.217



# Previews

## White Background



This preview shows how the CIELCh color 72, 19.102, 154.899 looks on a white background.

## Color Contrast Check

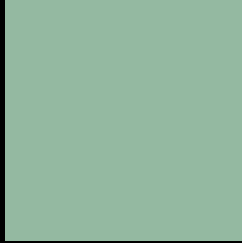
Large Text (above 18pt) WCAG AA × Fail

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 72, 19.102, 154.899 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

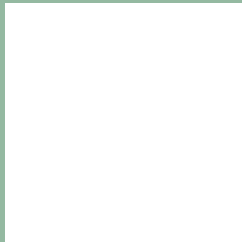
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 72, 19.102, 154.899**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 19.102, 154.899.



This preview shows how white text looks on a background with the CIELCh color 72, 19.102, 154.899.

# 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**  
72, 19.102, 154.899

**Protanopia**  
72, 10.891, 90.169

**Deuteranopia**  
72, 11.076, 37.232





**Tritanopia**  
72, 11.967, 242.146

# Trichromacy



**Original Color**  
72, 19.102, 154.899

**Protanomaly**  
72, 11.810, 124.226

**Deuteranomaly**  
72, 7.138, 100.136

**Tritanomaly**  
72, 10.675, 201.532

# Monochromacy



**Original Color**  
72, 19.102, 154.899

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
71, 6.970, 154.134

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 19.102, 154.899 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(148, 185, 161)` looks like.

```
.text, #text, p{  
    color:rgb(148, 185, 161)  
}
```

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(148, 185, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 185, 161) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 19.102, 154.899 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(148, 185, 161) }
```

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

```
.border{ border-color:rgb(148, 185, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 185, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 185, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 185, 161);  
box-shadow:4px 4px 4px 4px rgb(148, 185,  
161) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 19.102, 154.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 185, 161) }
```

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

```
.background{ background-color: rgb(148,  
185, 161) }
```

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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