

# Converting Colors

CIELCh(72, 8.606, 171.599)

Have a look what the booklet for  
CIELCh(72, 8.606, 171.599) contains.

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# Color

**CIELCh(72, 8.678, 172.681)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A0B5AE
RGB	160, 181, 174
RGB Percent	63%, 71%, 68%
CMY	0.3720, 0.2896, 0.3171
CMYK	0.12, 0.00, 0.04, 0.29
HSL	160°, 12%, 67%
HSV	160°, 12%, 71%
XYZ	38.7353, 43.6590, 46.5057
YIQ	173.9230, -10.2690, -6.6290

# Conversions

## Conversions Part 2

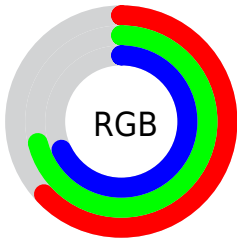
Format	Color
<b>RYB</b>	160, 173, 181
Decimal	10532270
CIELab	72.00, -8.61, 1.11
CIELCh	72, 8.678, 172.681
Yxy	43.6590, 0.3005, 0.3387
Android (android.graphics.Color)	4288722350 (0xFFA0B5AE)
YUV	173.9230, 0.0380, -12.2105
Hunter-Lab	66.0750, -10.9887, 4.5223

# Details

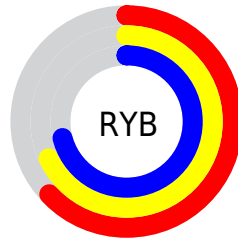
The CIELCh color  $72, 8.678, 172.681$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $68, 8.937, 354.732$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 8.823, 170.914$ , and  $52, 8.600, 174.591$  is the 20% darker color. If you saturate the color by 10%, you get  $71, 16.026, 171.662$ , and if you desaturate by 10%, it is  $73, 1.195, 173.905$ .

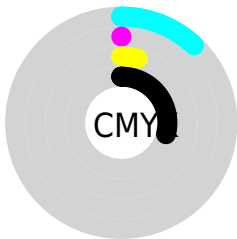
# Distribution



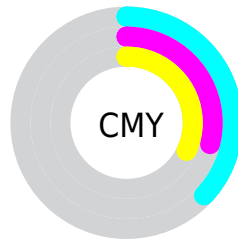
- Red (63%)
- Green (71%)
- Blue (68%)



- Red (63%)
- Yellow (68%)
- Blue (71%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)



- Cyan (37%)
- Magenta (29%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 8.678, 172.681 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, 8.678, 172.681 by changing the saturation by 10% instead.



72, 8.678, 172.681

72, 8.678, 172.681

100, 8.678,  
172.681

62, 8.678, 172.681

92, 8.678, 172.681

52, 8.678, 172.681

42, 8.678, 172.681

32, 8.678, 172.681

22, 8.678, 172.681

12, 8.678, 172.681

2, 8.678, 172.681

0, 8.678, 172.681

72, 8.678, 172.681

72, 8.678, 172.681

71, 16.026,  
171.662

73, 1.195, 173.905

69, 23.130,  
170.577

75, 6.337, 354.332

68, 29.872,  
169.391

77, 13.846,  
355.175

68, 36.128,  
168.080

79, 21.277,  
355.949

67, 41.783,  
166.619

81, 28.592,  
356.678

66, 46.742,  
164.985

81, 31.198,  
352.684

66, 50.954,  
163.157

81, 32.627,  
347.648

66, 54.430,  
161.127

82, 34.307,  
343.100

65, 56.939,

82, 36.199,  
339.032



# Harmonies

# Complementary

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



72, 8.678, 172.681



68, 8.937, 354.732

# Rectangle

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



72, 8.678, 172.681



72, 8.678, 222.681



72, 8.678, 352.681



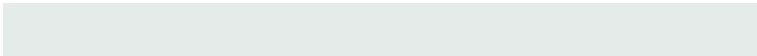
72, 8.678, 42.681

# Sweetspot

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



72, 8.680, 172.675



92, 2.778, 173.602



72, 12.561, 133.652



49, 2.105, 173.491



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



72, 8.680, 172.675



90, 12.907, 172.412



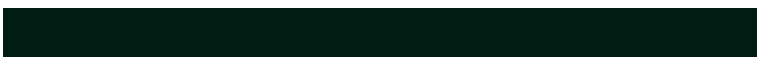
71, 6.648, 213.994



38, 4.293, 172.899



57, 50.637, 159.624



8, 12.816, 166.269



# Inverse Universe

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



68, 8.937, 354.732



84, 13.377, 355.013



69, 7.161, 33.842



36, 4.396, 354.495



32, 59.549, 17.216

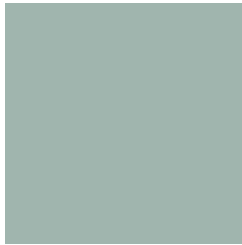


2, 11.335, 359.970



# Previews

## White Background



This preview shows how the CIELCh color 72, 8.678, 172.681 looks on a white background.

## Color Contrast Check

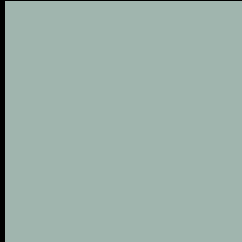
Large Text (above 18pt) WCAG AA × Fail

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, 8.678, 172.681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

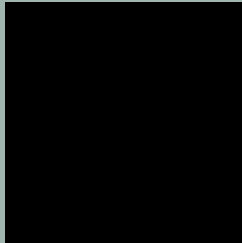
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

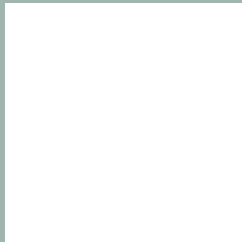
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 72, 8.678, 172.681**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 8.678, 172.681.



This preview shows how white text looks on a background with the CIELCh color 72, 8.678, 172.681.

# 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

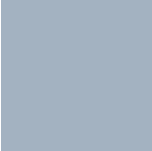


**Original Color**  
72, 8.678, 172.681

**Protanopia**  
72, 3.133, 63.210

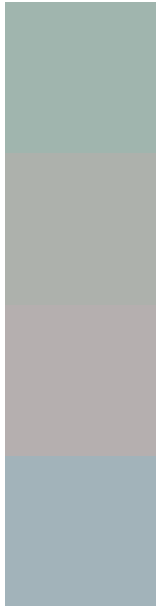
**Deuteranopia**  
72, 8.807, 2.228





**Tritanopia**  
72, 9.619, 257.572

# Trichromacy



**Original Color**  
72, 8.678, 172.681

**Protanomaly**  
72, 3.116, 138.750

**Deuteranomaly**  
72, 2.262, 19.376

**Tritanomaly**  
72, 7.112, 231.548

# Monochromacy



**Original Color**  
72, 8.678, 172.681

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
72, 3.416, 170.701

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 8.678, 172.681 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(160, 181, 174)` looks like.

```
.text, #text, p{  
    color:rgb(160, 181, 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(160, 181, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 181, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 8.678, 172.681 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(160, 181, 174) }
```

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

```
.border{ border-color:rgb(160, 181, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 181, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 181, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 181, 174);  
box-shadow:4px 4px 4px 4px rgb(160, 181,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 8.678, 172.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 181, 174) }
```

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

```
.background{ background-color: rgb(160,  
181, 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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