

Converting Colors

CIELCh(72, 9.825, 179.901)

Have a look what the booklet for
CIELCh(72, 9.825, 179.901) contains.

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Color

CIELCh(72, 9.748, 179.046)

Conversions

Conversions Part 1

Format	Color
Hex	9DB6B0
RGB	157, 182, 176
RGB Percent	62%, 71%, 69%
CMY	0.3850, 0.2870, 0.3105
CMYK	0.14, 0.00, 0.03, 0.29
HSL	166°, 15%, 66%
HSV	166°, 14%, 71%
XYZ	38.3792, 43.6590, 47.3849
YIQ	173.8410, -12.9740, -7.1660

Conversions

Conversions Part 2

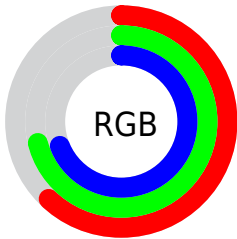
Format	Color
RYB	157, 171, 182
Decimal	10335920
CIELab	72.00, -9.75, 0.16
CIElCh	72, 9.748, 179.046
Yxy	43.6590, 0.2965, 0.3373
Android (android.graphics.Color)	4288526000 (0xFF9DB6B0)
YUV	173.8410, 1.0644, -14.7696
Hunter-Lab	66.0750, -11.9506, 3.7334

Details

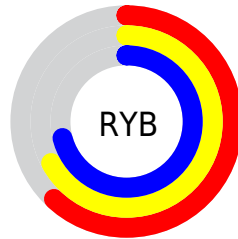
The CIELCh color $72, 9.748, 179.046$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $67, 10.225, 1.536$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 9.624, 179.991$, and $52, 9.739, 181.021$ is the 20% darker color. If you saturate the color by 10%, you get $71, 16.590, 178.044$, and if you desaturate by 10%, it is $73, 2.683, 180.085$.

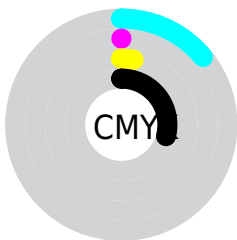
Distribution



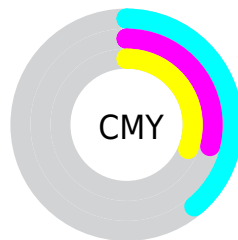
- Red (62%)
- Green (71%)
- Blue (69%)



- Red (62%)
- Yellow (67%)
- Blue (71%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)



- Cyan (39%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 9.748, 179.046 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, 9.748, 179.046 by changing the saturation by 10% instead.

■ 72, 9.748, 179.046

■ 72, 9.748, 179.046

■ 100, 9.748,
179.046

■ 62, 9.748, 179.046

■ 92, 9.748, 179.046

■ 52, 9.748, 179.046

■ 42, 9.748, 179.046

■ 32, 9.748, 179.046

■ 22, 9.748, 179.046

■ 12, 9.748, 179.046

■ 2, 9.748, 179.046

■ 0, 9.748, 179.046

■ 72, 9.748, 179.046

■ 72, 9.748, 179.046

71, 16.590,
178.044

73, 2.683, 180.085

70, 23.098,
176.991

75, 4.513, 0.682

69, 29.153,
175.857

77, 11.761, 1.578

68, 34.641,
174.621

80, 26.176, 3.164

67, 39.457,
173.260

81, 29.350, 0.856

67, 43.527,
171.750

81, 30.041,
356.666

66, 46.823,
170.070

81, 30.897,
352.699

66, 49.380,
168.207

82, 31.904,
348.978

66, 50.748,

Harmonies

Complementary

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



72, 9.748, 179.046



67, 10.225, 1.536

Rectangle

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



72, 9.748, 179.046



72, 9.748, 229.046



72, 9.748, 359.046



72, 9.748, 49.046

Sweetspot

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



72, 9.749, 179.040



93, 3.552, 180.043



72, 15.387, 136.687



50, 2.544, 179.950



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, 9.749, 179.040



91, 14.034, 178.792



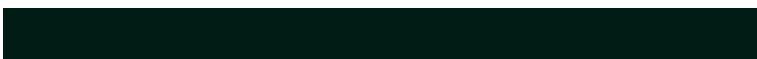
70, 7.479, 226.243



38, 4.069, 179.473



57, 45.059, 167.269



8, 11.944, 173.124

Inverse Universe

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



67, 10.225, 1.536



84, 14.852, 1.820



68, 8.119, 44.800



36, 4.203, 1.058



32, 62.265, 25.472



2, 11.015, 5.133

Previews

White Background



This preview shows how the CIELCh color 72, 9.748, 179.046 looks on a white background.

Color Contrast Check

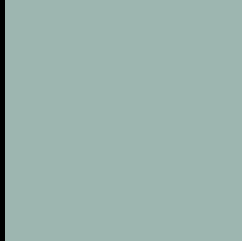
Large Text (above 18pt) WCAG AA × Fail

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, 9.748, 179.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

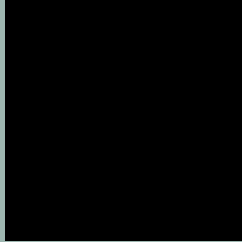
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

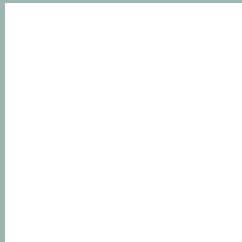
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 9.748, 179.046

Background



This preview shows how black text looks on a background with the CIELCh color 72, 9.748, 179.046.



This preview shows how white text looks on a background with the CIELCh color 72, 9.748, 179.046.

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, 9.748, 179.046

Protanopia

72, 2.484, 60.265

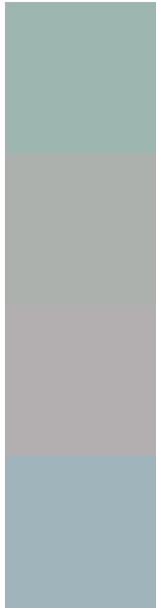
Deuteranopia

72, 8.828, 354.674



Tritanopia
72, 9.994, 248.987

Trichromacy



Original Color
72, 9.748, 179.046

Protanomaly
72, 2.884, 150.453

Deuteranomaly
72, 1.868, 343.630

Tritanomaly
72, 8.307, 226.324

Monochromacy



Original Color
72, 9.748, 179.046

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 3.528, 181.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 9.748, 179.046 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(157, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(157, 182, 176)  
}
```

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(157, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 182, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 9.748, 179.046 is called "border". The border property can be set on classes, ids or directly on the HTML element.

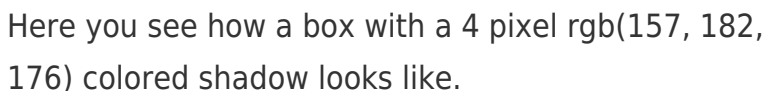
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 182, 176) }
```

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

```
.border{ border-color:rgb(157, 182, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 182, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 182, 176);  
box-shadow:4px 4px 4px 4px rgb(157, 182,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 9.748, 179.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 182, 176) }
```

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

```
.background{ background-color: rgb(157,  
182, 176) }
```

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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