

Converting Colors

CIELCh(72, 18.247, 179.828)

Have a look what the booklet for
CIELCh(72, 18.247, 179.828)
contains.

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Color

CIELCh(72, 18.260, 180.537)

Conversions

Conversions Part 1

Format	Color
Hex	89BAB0
RGB	137, 186, 176
RGB Percent	54%, 73%, 69%
CMY	0.4621, 0.2699, 0.3092
CMYK	0.26, 0.00, 0.05, 0.27
HSL	168°, 26%, 63%
HSV	168°, 26%, 73%
XYZ	35.7878, 43.6590, 47.6983
YIQ	170.2090, -25.9940, -13.4980

Conversions

Conversions Part 2

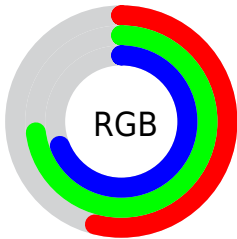
Format	Color
RYB	137, 164, 186
Decimal	9026224
CIELab	72.00, -18.26, -0.17
CIELCh	72, 18.260, 180.537
Yxy	43.6590, 0.2815, 0.3434
Android (android.graphics.Color)	4287216304 (0xFF89BAB0)
YUV	170.2090, 2.8550, -29.1243
Hunter-Lab	66.0750, -18.9514, 3.4521

Details

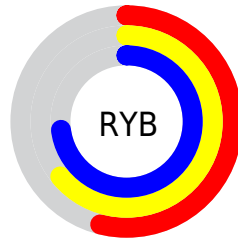
The CIELCh color **72, 18.260, 180.537** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 20.303, 5.733**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 18.192, 181.648**, and **52, 18.431, 180.975** is the 20% darker color. If you saturate the color by 10%, you get **71, 24.585, 179.505**, and if you desaturate by 10%, it is **73, 11.538, 181.510**.

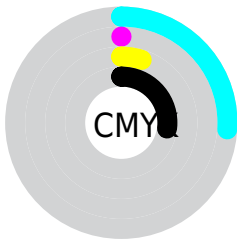
Distribution



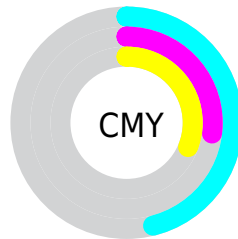
- Red (54%)
- Green (73%)
- Blue (69%)



- Red (54%)
- Yellow (64%)
- Blue (73%)



- Cyan (26%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)





- Cyan (46%)
- Magenta (27%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 18.260, 180.537 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, 18.260, 180.537 by changing the saturation by 10% instead.


 72, 18.260,
180.537


 72, 18.260,
180.537


 100, 18.260,
180.537


 62, 18.260,
180.537


 92, 18.260,
180.537

 52, 18.260,
180.537

 42, 18.260,
180.537

 32, 18.260,
180.537

 22, 18.260,
180.537

 12, 18.260,
180.537

 2, 18.260, 180.537

0, 18.260, 180.537

72, 18.260,
180.537

72, 18.260,
180.537

71, 24.585,
179.505

73, 11.538,
181.510

70, 30.390,
178.404

75, 4.530, 182.485

69, 35.562,
177.210

76, 2.662, 3.067

78, 9.952, 4.034

69, 40.006,
175.900

80, 17.268, 4.858

68, 43.661,
174.452

82, 24.558, 5.643

82, 27.218, 3.144

68, 46.518,
172.844

82, 27.742,

■ 68, 48.646,
171.071

359.160

■ 68, 49.348,
170.416

■ 82, 28.403,
355.351

Harmonies

Complementary

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



72, 18.260, 180.537



62, 20.303, 5.733

Rectangle

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



72, 18.260, 180.537



72, 18.260, 230.537



72, 18.260, 0.537



72, 18.260, 50.537

Sweetspot

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



72, 18.261, 180.534



94, 7.082, 182.300



72, 30.411, 136.992



50, 5.065, 182.151



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



72, 18.261, 180.534



90, 27.096, 179.903



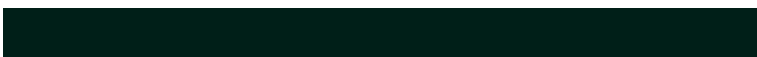
68, 14.037, 231.755



39, 4.090, 182.179



58, 43.591, 170.668



9, 13.185, 175.951

Inverse Universe

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



62, 20.303, 5.733



75, 30.963, 6.616



65, 16.467, 48.106



37, 4.241, 3.736



33, 64.447, 28.421



3, 12.541, 7.817

Previews

White Background



This preview shows how the CIELCh color 72, 18.260, 180.537 looks on a white background.

Color Contrast Check

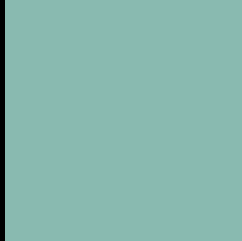
Large Text (above 18pt) WCAG AA × Fail

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, 18.260, 180.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

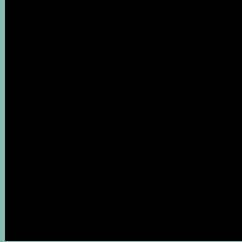
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

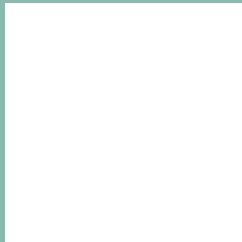
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 18.260, 180.537

Background



This preview shows how black text looks on a background with the CIELCh color 72, 18.260, 180.537.

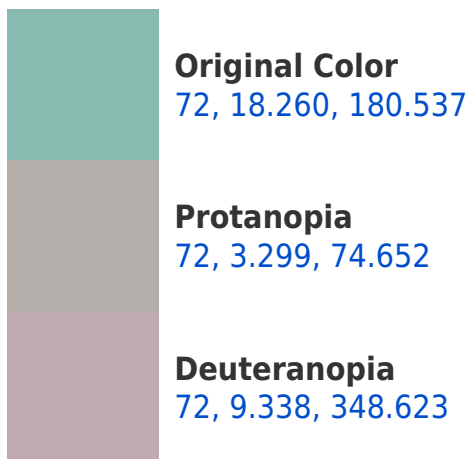


This preview shows how white text looks on a background with the CIELCh color 72, 18.260, 180.537.

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





Tritanopia
72, 15.771, 229.875

Trichromacy



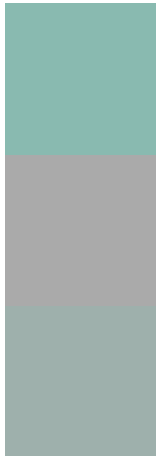
Original Color
72, 18.260, 180.537

Protanomaly
72, 6.802, 164.837

Deuteranomaly
72, 2.134, 230.256

Tritanomaly
72, 15.305, 210.692

Monochromacy



Original Color
72, 18.260, 180.537

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 7.027, 180.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 18.260, 180.537 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(137, 186, 176)` looks like.

```
.text, #text, p{  
    color:rgb(137, 186, 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(137, 186, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 186, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 18.260, 180.537 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(137, 186, 176) }
```

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

```
.border{ border-color:rgb(137, 186, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 186, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 186, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 186, 176);  
box-shadow:4px 4px 4px 4px rgb(137, 186,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 18.260, 180.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 186, 176) }
```

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

```
.background{ background-color: rgb(137,  
186, 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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