

Converting Colors

CIELCh(77, 12.161, 172.318)

Have a look what the booklet for
CIELCh(77, 12.161, 172.318)
contains.

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Color

CIELCh(77, 12.171, 172.311)

Conversions

Conversions Part 1

Format	Color
Hex	A7C5BB
RGB	167, 197, 187
RGB Percent	65%, 77%, 73%
CMY	0.3464, 0.2288, 0.2680
CMYK	0.15, 0.00, 0.05, 0.23
HSL	160°, 20%, 71%
HSV	160°, 15%, 77%
XYZ	44.6898, 51.5317, 54.4171
YIQ	186.8900, -14.6700, -9.4700

Conversions

Conversions Part 2

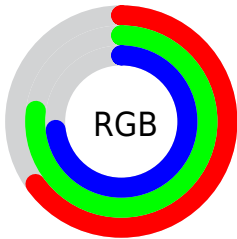
Format	Color
RYB	167, 185, 197
Decimal	10995131
CIELab	77.00, -12.06, 1.63
CIElCh	77, 12.171, 172.311
Yxy	51.5317, 0.2967, 0.3421
Android (android.graphics.Color)	4289185211 (0xFFA7C5BB)
YUV	186.8900, 0.0542, -17.4435
Hunter-Lab	71.7856, -14.5004, 5.3051

Details

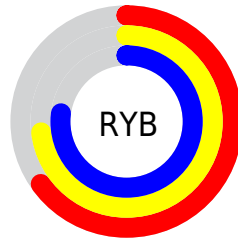
The CIELCh color **77, 12.171, 172.311** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 12.651, 355.138**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 12.482, 171.867**, and **57, 11.915, 172.714** is the 20% darker color. If you saturate the color by 10%, you get **76, 19.943, 171.265**, and if you desaturate by 10%, it is **79, 4.214, 173.326**.

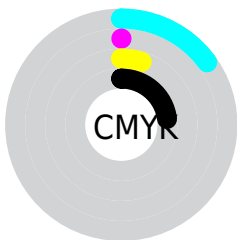
Distribution



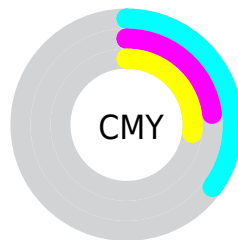
- Red (65%)
- Green (77%)
- Blue (73%)



- Red (65%)
- Yellow (73%)
- Blue (77%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (23%)





- Cyan (35%)
- Magenta (23%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 12.171, 172.311 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 77, 12.171, 172.311 by changing the saturation by 10% instead.


 77, 12.171,
172.311


 77, 12.171,
172.311


 100, 12.171,
172.311


 67, 12.171,
172.311


 97, 12.171,
172.311


 57, 12.171,
172.311

 47, 12.171,
172.311

 37, 12.171,
172.311

 27, 12.171,
172.311

 17, 12.171,
172.311

 7, 12.171, 172.311

■ 0, 12.171, 172.311

■ 77, 12.171,
172.311

■ 77, 12.171,
172.311

■ 76, 19.943,
171.265

■ 79, 4.214, 173.326

■ 74, 27.405,
170.138

■ 80, 3.830, 353.980

■ 73, 34.426,
168.899

■ 82, 11.875,
354.890

■ 73, 40.875,
167.524

■ 84, 19.855,
355.687

■ 72, 46.632,
165.988

■ 85, 24.424,
352.284

■ 71, 51.613,
164.268

■ 85, 26.077,
345.545

■ 85, 28.067,

■ 71, 55.786,
162.345

339.726

■ 71, 59.196,
160.223

■ 86, 30.327,
334.769

■ 70, 60.668,
159.203

■ 86, 32.798,
330.573

Harmonies

Complementary

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



77, 12.171, 172.311



71, 12.651, 355.138

Rectangle

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



77, 12.171, 172.311



77, 12.171, 222.311



77, 12.171, 352.311



77, 12.171, 42.311

Sweetspot

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



77, 12.173, 172.307



99, 4.954, 173.346



77, 17.684, 133.479



53, 3.380, 173.267



0, 0.000, 0.000



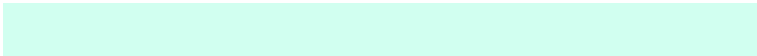
53, 0.007, 296.813

Same Dimension

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



77, 12.173, 172.307



97, 17.692, 171.999



76, 9.250, 214.031



41, 4.586, 172.894



59, 52.534, 159.534



11, 17.285, 165.366

Inverse Universe

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



71, 12.651, 355.138



88, 18.532, 355.477



72, 10.226, 33.912



39, 4.697, 354.510



34, 61.748, 17.464



4, 16.668, 2.525

Previews

White Background



This preview shows how the CIELCh color 77, 12.171, 172.311 looks on a white background.

Color Contrast Check

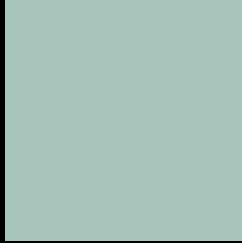
Large Text (above 18pt) WCAG AA × Fail

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 77, 12.171, 172.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

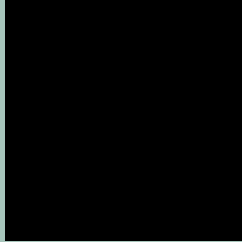
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

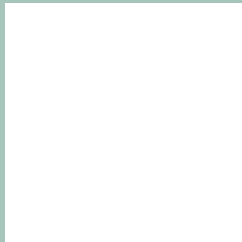
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 12.171, 172.311

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.171, 172.311.

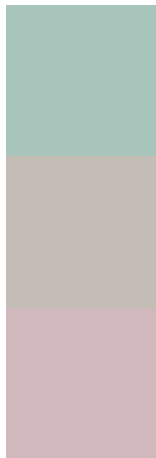


This preview shows how white text looks on a background with the CIELCh color 77, 12.171, 172.311.

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
77, 12.171, 172.311

Protanopia
77, 4.358, 78.567

Deuteranopia
77, 9.414, 3.664



Tritanopia
77, 11.299, 248.766

Trichromacy



Original Color
77, 12.171, 172.311

Protanomaly
77, 5.033, 140.850

Deuteranomaly
77, 1.572, 39.088

Tritanomaly
77, 9.441, 222.405

Monochromacy



Original Color
77, 12.171, 172.311

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 4.598, 171.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 12.171, 172.311 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(167, 197, 187)` looks like.

```
.text, #text, p{  
    color:rgb(167, 197, 187)  
}
```

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(167, 197, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 197, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.171, 172.311 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(167, 197, 187) }
```

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

```
.border{ border-color:rgb(167, 197, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 197, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 197, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 197, 187);  
box-shadow:4px 4px 4px 4px rgb(167, 197,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.171, 172.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 197, 187) }
```

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

```
.background{ background-color: rgb(167,  
197, 187) }
```

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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