

Converting Colors

CIELCh(77, 18.201, 180.643)

Have a look what the booklet for
CIELCh(77, 18.201, 180.643)
contains.

CIELCh(77, 18.080, 180.709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 18.080, 180.709)

Conversions

Conversions Part 1

Format	Color
Hex	97C8BE
RGB	151, 200, 190
RGB Percent	59%, 78%, 75%
CMY	0.4083, 0.2162, 0.2554
CMYK	0.25, 0.00, 0.05, 0.22
HSL	168°, 31%, 69%
HSV	168°, 25%, 78%
XYZ	42.6469, 51.5317, 56.3445
YIQ	184.2090, -25.9940, -13.4980

Conversions

Conversions Part 2

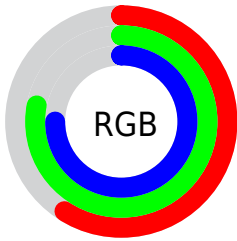
Format	Color
RYB	151, 178, 200
Decimal	9947326
CIELab	77.00, -18.08, -0.22
CIELCh	77, 18.080, 180.709
Yxy	51.5317, 0.2833, 0.3424
Android (android.graphics.Color)	4288137406 (0xFF97C8BE)
YUV	184.2090, 2.8550, -29.1243
Hunter-Lab	71.7856, -19.5802, 3.7132

Details

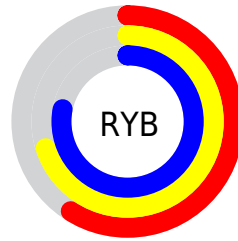
The CIELCh color **77, 18.080, 180.709** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 19.957, 5.513**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 17.257, 182.802**, and **57, 17.956, 181.011** is the 20% darker color. If you saturate the color by 10%, you get **76, 24.860, 179.683**, and if you desaturate by 10%, it is **78, 10.898, 181.680**.

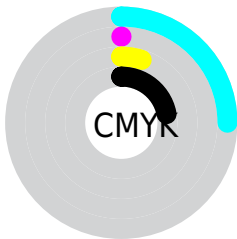
Distribution



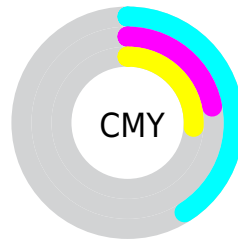
- Red (59%)
- Green (78%)
- Blue (75%)



- Red (59%)
- Yellow (70%)
- Blue (78%)



- Cyan (25%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (41%)
- Magenta (22%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 18.080, 180.709 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, 18.080, 180.709 by changing the saturation by 10% instead.


 77, 18.080,
180.709


 77, 18.080,
180.709


 100, 18.080,
180.709


 67, 18.080,
180.709


 97, 18.080,
180.709

 57, 18.080,
180.709

 47, 18.080,
180.709

 37, 18.080,
180.709

 27, 18.080,
180.709

 17, 18.080,
180.709

 7, 18.080, 180.709

0, 18.080, 180.709

77, 18.080,
180.709

77, 18.080,
180.709

76, 24.860,
179.683

78, 10.898,
181.680

75, 31.108,
178.589

80, 3.431, 182.688

74, 36.701,
177.405

81, 4.214, 3.286

83, 11.948, 4.197

73, 41.532,
176.109

85, 19.698, 5.016

73, 45.529,
174.676

86, 21.724, 0.864

86, 22.420,
355.682

72, 48.675,
173.084

■ 72, 51.019,
171.322

■ 86, 23.298,
350.864

■ 72, 52.097,
170.322

■ 86, 24.337,
346.442

Harmonies

Complementary

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



77, 18.080, 180.709



67, 19.957, 5.513

Rectangle

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



77, 18.080, 180.709



77, 18.080, 230.709



77, 18.080, 0.709



77, 18.080, 50.709

Sweetspot

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



77, 18.081, 180.706



99, 6.467, 182.404



77, 30.005, 137.091



53, 4.199, 182.342



0, 0.000, 0.000



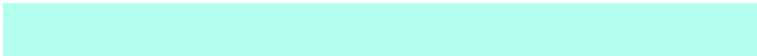
53, 0.007, 296.813

Same Dimension

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



77, 18.081, 180.706



95, 25.784, 180.212



73, 13.917, 231.566



41, 4.271, 182.176



60, 44.648, 170.621



11, 15.271, 175.359

Inverse Universe

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



67, 19.957, 5.513



81, 29.078, 6.184



70, 16.139, 48.176



39, 4.429, 3.746



34, 66.058, 28.580



3, 16.193, 8.951

Previews

White Background



This preview shows how the CIELCh color 77, 18.080, 180.709 looks on a white background.

Color Contrast Check

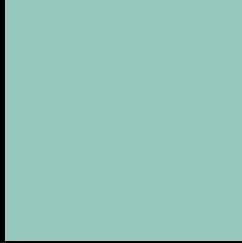
Large Text (above 18pt) WCAG AA × Fail

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, 18.080, 180.709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

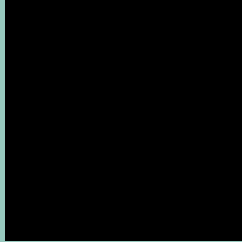
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

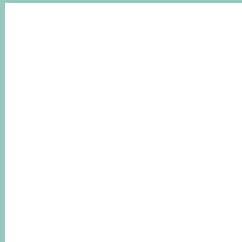
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 18.080, 180.709

Background



This preview shows how black text looks on a background with the CIELCh color 77, 18.080, 180.709.



This preview shows how white text looks on a background with the CIELCh color 77, 18.080, 180.709.

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, 18.080, 180.709

Protanopia
77, 3.250, 74.690

Deuteranopia
77, 9.527, 349.780



Tritanopia
77, 15.920, 229.095

Trichromacy



Original Color
77, 18.080, 180.709

Protanomaly
77, 6.707, 164.890

Deuteranomaly
77, 1.804, 236.213

Tritanomaly
77, 15.195, 210.669

Monochromacy



Original Color
77, 18.080, 180.709

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 6.933, 180.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 18.080, 180.709 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(151, 200, 190)` looks like.

```
.text, #text, p{  
    color:rgb(151, 200, 190)  
}
```

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(151, 200, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 200, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 18.080, 180.709 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(151, 200, 190) }
```

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

```
.border{ border-color:rgb(151, 200, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 200, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 200, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 200, 190); box-shadow:4px 4px 4px 4px rgb(151, 200, 190) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 18.080, 180.709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 200, 190) }
```

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

```
.background{ background-color: rgb(151,  
200, 190) }
```

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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