

Converting Colors

CIELCh(76, 28.268, 173.371)

Have a look what the booklet for
CIELCh(76, 28.268, 173.371)
contains.

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Color

CIELCh(76, 28.510, 172.664)

Conversions

Conversions Part 1

Format	Color
Hex	7FCAB4
RGB	127, 202, 180
RGB Percent	50%, 79%, 71%
CMY	0.5030, 0.2089, 0.2952
CMYK	0.37, 0.00, 0.11, 0.21
HSL	162°, 41%, 64%
HSV	162°, 37%, 79%
XYZ	37.9792, 49.8872, 50.6640
YIQ	177.0670, -37.6380, -22.7420

Conversions

Conversions Part 2

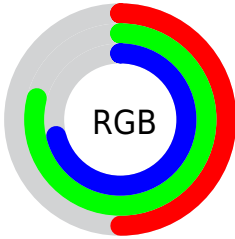
Format	Color
RYB	127, 171, 202
Decimal	8374964
CIELab	76.00, -28.28, 3.64
CIELCh	76, 28.510, 172.664
Yxy	49.8872, 0.2742, 0.3601
Android (android.graphics.Color)	4286565044 (0xFF7FCAB4)
YUV	177.0670, 1.4460, -43.9088
Hunter-Lab	70.6309, -27.6223, 6.9125

Details

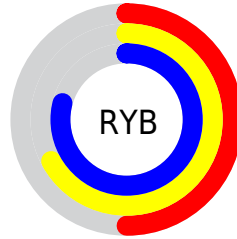
The CIELCh color **76, 28.510, 172.664** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **61, 31.945, 0.812**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.391, 175.970**, and **56, 28.913, 172.084** is the 20% darker color. If you saturate the color by 10%, you get **75, 35.269, 171.423**, and if you desaturate by 10%, it is **77, 21.248, 173.795**.

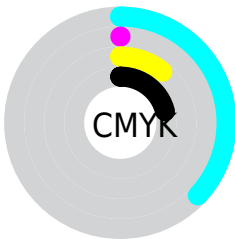
Distribution



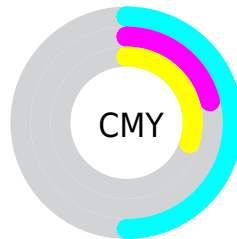
- Red (50%)
- Green (79%)
- Blue (71%)



- Red (50%)
- Yellow (67%)
- Blue (79%)



- Cyan (37%)
- Magenta (0%)
- Yellow (11%)
- Black (21%)




- Cyan (50%)
- Magenta (21%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 28.510, 172.664 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 76, 28.510, 172.664 by changing the saturation by 10% instead.

 76, 28.510,
172.664

 76, 28.510,
172.664

 100, 28.510,
172.664

 66, 28.510,
172.664

 96, 28.510,
172.664

 56, 28.510,
172.664

 46, 28.510,
172.664

 36, 28.510,
172.664

 26, 28.510,
172.664

 16, 28.510,
172.664

 6, 28.510, 172.664

■ 0, 28.510, 172.664

■ 76, 28.510,
172.664

■ 76, 28.510,
172.664

■ 75, 35.269,
171.423

■ 77, 21.248,
173.795

■ 74, 41.393,
170.054

■ 79, 13.615,
174.844

■ 73, 46.771,
168.529

■ 80, 5.737, 175.856

■ 73, 51.333,
166.824

■ 82, 2.277, 356.462

■ 73, 55.064,
164.924

■ 84, 10.335,
357.478

■ 72, 58.049,
162.838

■ 85, 18.365,
358.305

■ 86, 21.947,

■ 72, 58.837,
162.252

353.735

■ 86, 23.376,
346.887

■ 87, 25.117,
340.942

Harmonies

Complementary

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



76, 28.510, 172.664



61, 31.945, 0.812

Rectangle

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



76, 28.510, 172.664



76, 28.510, 222.664



76, 28.510, 352.664



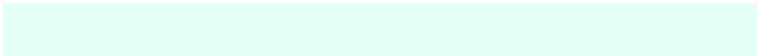
76, 28.510, 42.664

Sweetspot

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



76, 28.511, 172.662



98, 10.609, 175.451



76, 44.545, 133.909



52, 7.120, 175.313



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 28.511, 172.662



93, 40.871, 171.624



72, 20.707, 221.452



42, 4.570, 175.628



60, 50.584, 162.584



12, 17.441, 167.832

Inverse Universe

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



61, 31.945, 0.812



72, 47.024, 2.280



64, 26.986, 39.354



40, 4.699, 357.257



35, 63.548, 21.205



4, 18.523, 5.232

Previews

White Background



This preview shows how the CIELCh color 76, 28.510, 172.664 looks on a white background.

Color Contrast Check

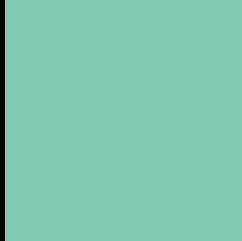
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 76, 28.510, 172.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

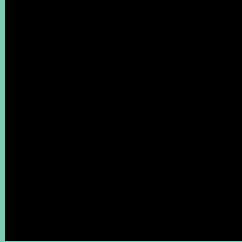
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

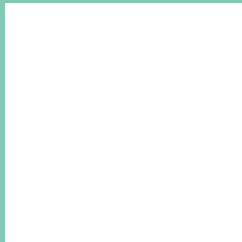
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 28.510, 172.664

Background



This preview shows how black text looks on a background with the CIELCh color 76, 28.510, 172.664.

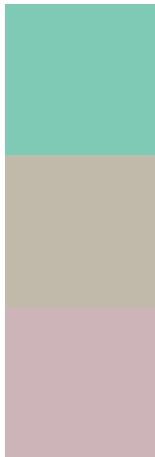


This preview shows how white text looks on a background with the CIELCh color 76, 28.510, 172.664.

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

76, 28.510, 172.664

Protanopia

76, 8.475, 90.893

Deuteranopia

76, 9.704, 7.425



Tritanopia
76, 21.315, 222.118

Trichromacy



Original Color
76, 28.510, 172.664



Protanomaly
76, 13.001, 150.369



Deuteranomaly
75, 5.226, 160.894

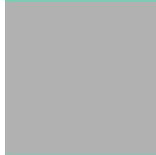


Tritanomaly
76, 21.986, 200.629

Monochromacy



Original Color
76, 28.510, 172.664



Achromatopsia
72, 0.009, 296.813



Achromatomaly
73, 10.823, 174.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 28.510, 172.664 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(127, 202, 180)` looks like.

```
.text, #text, p{  
    color:rgb(127, 202, 180)  
}
```

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(127, 202, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 202, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 28.510, 172.664 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(127, 202, 180) }
```

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

```
.border{ border-color:rgb(127, 202, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 202, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 202, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 202, 180);  
box-shadow:4px 4px 4px 4px rgb(127, 202,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 28.510, 172.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 202, 180) }
```

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

```
.background{ background-color: rgb(127,  
202, 180) }
```

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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