

Converting Colors

CIELCh(80, 10.800, 172.141)

Have a look what the booklet for
CIELCh(80, 10.800, 172.141)
contains.

CIELCh(80, 10.586, 171.710)	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(80, 10.586, 171.710)

Conversions

Conversions Part 1

Format	Color
Hex	B2CCC3
RGB	178, 204, 195
RGB Percent	70%, 80%, 76%
CMY	0.3014, 0.1994, 0.2347
CMYK	0.13, 0.00, 0.04, 0.20
HSL	159°, 20%, 75%
HSV	159°, 13%, 80%
XYZ	49.8850, 56.6813, 60.0246
YIQ	195.2000, -12.6070, -8.3110

Conversions

Conversions Part 2

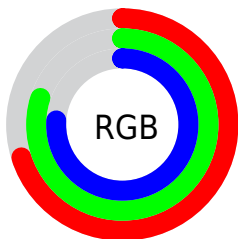
Format	Color
RYB	178, 194, 204
Decimal	11717827
CIELab	80.00, -10.48, 1.53
CIELCh	80, 10.586, 171.710
Yxy	56.6813, 0.2994, 0.3402
Android (android.graphics.Color)	4289907907 (0xFFB2CCC3)
YUV	195.2000, -0.0986, -15.0844
Hunter-Lab	75.2870, -13.4784, 5.4303

Details

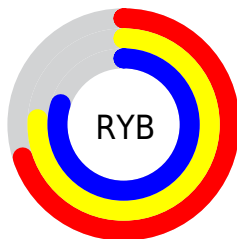
The CIELCh color **80, 10.586, 171.710** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 10.919, 354.009**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.410, 187.096**, and **60, 10.849, 170.455** is the 20% darker color. If you saturate the color by 10%, you get **79, 18.736, 170.678**, and if you desaturate by 10%, it is **82, 2.282, 172.797**.

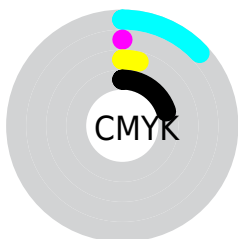
Distribution



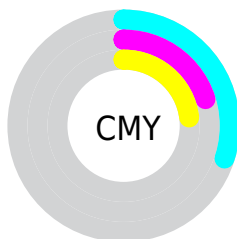
- Red (70%)
- Green (80%)
- Blue (76%)



- Red (70%)
- Yellow (76%)
- Blue (80%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)





- Cyan (30%)
- Magenta (20%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 10.586, 171.710 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 80, 10.586, 171.710 by changing the saturation by 10% instead.


 80, 10.586,
171.710


 80, 10.586,
171.710


 100, 10.586,
171.710


 70, 10.586,
171.710


 60, 10.586,
171.710

 50, 10.586,
171.710

 40, 10.586,
171.710

 30, 10.586,
171.710

 20, 10.586,
171.710

 10, 10.586,

171.710

■ 0, 10.586, 171.710

■ 80, 10.586,
171.710

■ 80, 10.586,
171.710

■ 79, 18.736,
170.678

■ 82, 2.282, 172.797

■ 77, 26.607,
169.570

■ 83, 6.078, 353.381

■ 76, 34.064,
168.352

■ 85, 14.411,
354.238

■ 75, 40.970,
167.001

■ 87, 21.080,
352.690

■ 74, 47.194,
165.492

■ 87, 22.899,
344.423

■ 87, 25.144,
337.554

■ 74, 52.636,
163.799

■ 88, 27.711,
331.940

■ 73, 57.247,
161.903

■ 88, 30.515,
327.372

■ 73, 61.051,
159.803

■ 88, 31.891,
325.534

■ 73, 63.449,
158.210

Harmonies

Complementary

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



80, 10.586, 171.710



75, 10.919, 354.009

Rectangle

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



80, 10.586, 171.710



80, 10.586, 221.710



80, 10.586, 351.710



80, 10.586, 41.710

Sweetspot

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



80, 10.588, 171.705



99, 3.995, 172.612



80, 15.215, 133.595



53, 2.839, 172.521



0, 0.000, 0.000



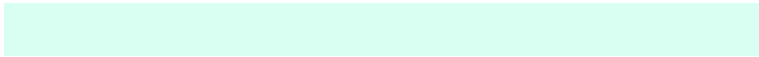
53, 0.007, 296.813

Same Dimension

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



80, 10.588, 171.705



97, 14.909, 171.458



79, 8.021, 214.003



42, 4.720, 172.040



60, 54.008, 158.574



12, 18.397, 164.108

Inverse Universe

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



75, 10.919, 354.009



90, 15.466, 354.274



76, 8.715, 33.864



40, 4.830, 353.656



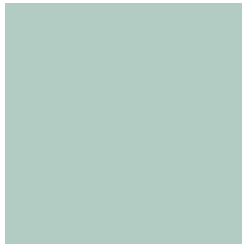
35, 62.196, 16.333



4, 18.769, 2.510

Previews

White Background



This preview shows how the CIELCh color 80, 10.586, 171.710 looks on a white background.

Color Contrast Check

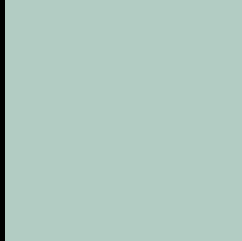
Large Text (above 18pt) WCAG AA × Fail

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 80, 10.586, 171.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

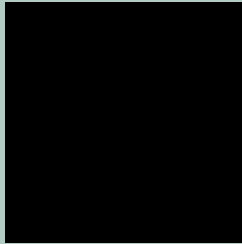
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

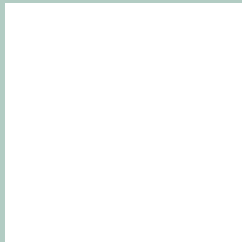
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 10.586, 171.710

Background



This preview shows how black text looks on a background with the CIELCh color 80, 10.586, 171.710.



This preview shows how white text looks on a background with the CIELCh color 80, 10.586, 171.710.

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
80, 10.586, 171.710

Protanopia
80, 3.875, 74.611

Deuteranopia
80, 9.845, 1.312



Tritanopia
80, 10.608, 252.809

Trichromacy



Original Color
80, 10.586, 171.710

Protanomaly
80, 4.343, 140.380

Deuteranomaly
80, 2.641, 7.795

Tritanomaly
80, 8.167, 226.229

Monochromacy



Original Color
80, 10.586, 171.710

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 3.668, 173.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 10.586, 171.710 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(178, 204, 195)` looks like.

```
.text, #text, p{  
    color:rgb(178, 204, 195)  
}
```

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(178, 204, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 204, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 10.586, 171.710 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(178, 204, 195) }
```

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

```
.border{ border-color:rgb(178, 204, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 204, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 204, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 204, 195);  
box-shadow:4px 4px 4px 4px rgb(178, 204,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 10.586, 171.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 204, 195) }
```

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

```
.background{ background-color: rgb(178,  
204, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor