

Converting Colors

CIELCh(80, 11.003, 171.411)

Have a look what the booklet for
CIELCh(80, 11.003, 171.411)
contains.

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Color

CIELCh(80, 10.899, 172.508)

Conversions

Conversions Part 1

Format	Color
Hex	B1CCC3
RGB	177, 204, 195
RGB Percent	69%, 80%, 76%
CMY	0.3046, 0.1987, 0.2340
CMYK	0.13, 0.00, 0.04, 0.20
HSL	160°, 21%, 75%
HSV	160°, 13%, 80%
XYZ	49.7625, 56.6813, 60.1402
YIQ	194.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

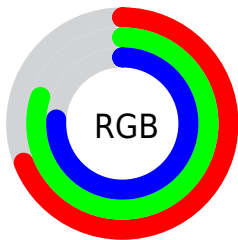
Format	Color
R_{YB}	177, 193, 204
Decimal	11652291
CIE _{Lab}	80.00, -10.81, 1.42
CIE _{LCh}	80, 10.899, 172.508
Yxy	56.6813, 0.2987, 0.3403
Android (android.graphics.Color)	4289842371 (0xFFB1CCC3)
YUV	194.9010, 0.0488, -15.6992
Hunter-Lab	75.2870, -13.7690, 5.3392

Details

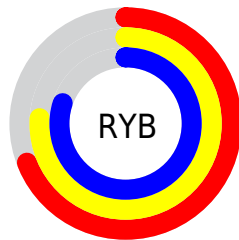
The CIELCh color $80, 10.899, 172.508$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $75, 11.272, 354.916$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 7.740, 187.583$, and $60, 11.172, 171.287$ is the 20% darker color. If you saturate the color by 10%, you get $79, 18.965, 171.472$, and if you desaturate by 10%, it is $82, 2.665, 173.574$.

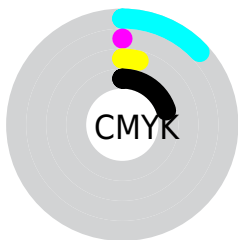
Distribution



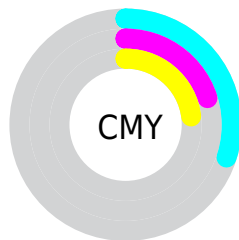
- Red (69%)
- Green (80%)
- Blue (76%)



- Red (69%)
- 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, 10.899, 172.508 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, 10.899, 172.508 by changing the saturation by 10% instead.


 80, 10.899,
172.508


 80, 10.899,
172.508


 100, 10.899,
172.508


 70, 10.899,
172.508


 60, 10.899,
172.508

 50, 10.899,
172.508

 40, 10.899,
172.508

 30, 10.899,
172.508

 20, 10.899,
172.508

 10, 10.899,

172.508

■ 0, 10.899, 172.508

■ 80, 10.899,
172.508

■ 80, 10.899,
172.508

■ 79, 18.965,
171.472

■ 82, 2.665, 173.574

■ 77, 26.736,
170.361

■ 83, 5.640, 354.185

■ 76, 34.078,
169.142

■ 85, 13.930,
355.056

■ 75, 40.854,
167.792

■ 87, 20.795,
353.908

■ 74, 46.936,
166.285

■ 87, 22.477,
345.704

■ 87, 24.574,
338.819

■ 74, 52.229,
164.596

■ 88, 26.989,
333.142

■ 73, 56.687,
162.706

■ 88, 29.641,
328.491

■ 73, 60.340,
160.613

■ 88, 31.774,
325.530

■ 73, 62.497,
159.136

Harmonies

Complementary

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



80, 10.899, 172.508



75, 11.272, 354.916

Rectangle

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



80, 10.899, 172.508



80, 10.899, 222.508



80, 10.899, 352.508



80, 10.899, 42.508

Sweetspot

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



80, 10.901, 172.503



99, 3.964, 173.462



80, 15.803, 133.573



53, 2.817, 173.370



0, 0.000, 0.000



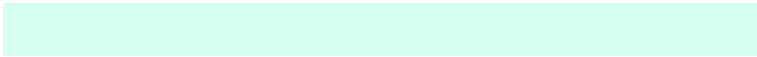
53, 0.007, 296.813

Same Dimension

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



80, 10.901, 172.503



97, 15.756, 172.201



79, 8.319, 214.008



42, 4.682, 172.887



60, 53.169, 159.499



12, 18.161, 164.975

Inverse Universe

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



75, 11.272, 354.916



89, 16.417, 355.244



76, 9.068, 33.873



40, 4.797, 354.508



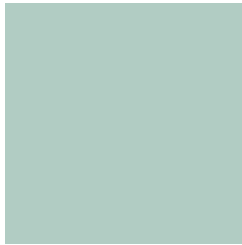
35, 62.475, 17.533



4, 18.704, 3.189

Previews

White Background



This preview shows how the CIELCh color 80, 10.899, 172.508 looks on a white background.

Color Contrast Check

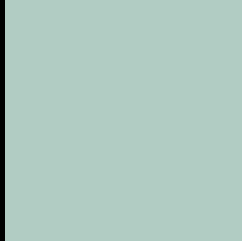
Large Text (above 18pt) WCAG AA × Fail

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, 10.899, 172.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

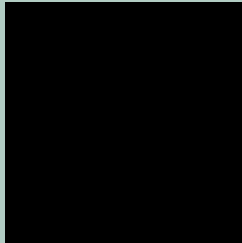
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

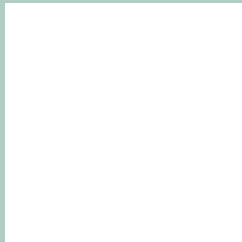
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 10.899, 172.508

Background



This preview shows how black text looks on a background with the CIELCh color 80, 10.899, 172.508.

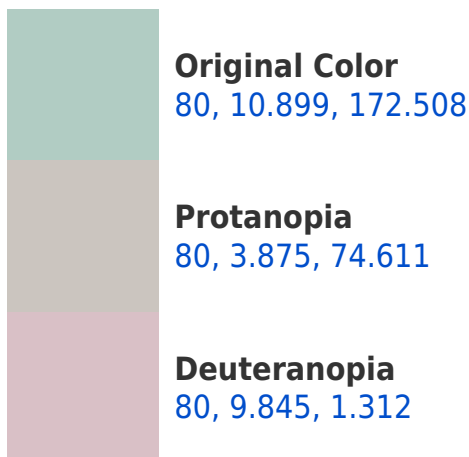


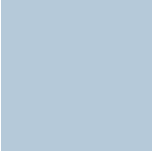
This preview shows how white text looks on a background with the CIELCh color 80, 10.899, 172.508.

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](#).

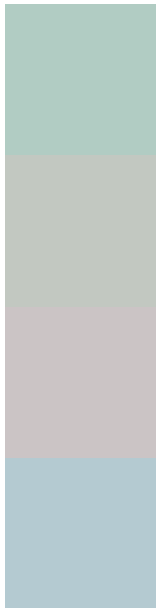
Dichromacy





Tritanopia
80, 10.809, 251.375

Trichromacy



Original Color
80, 10.899, 172.508

Protanomaly
80, 4.343, 140.380

Deuteranomaly
80, 2.641, 7.795

Tritanomaly
80, 8.469, 225.160

Monochromacy



Original Color
80, 10.899, 172.508

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, 10.899, 172.508 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(177, 204, 195)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 204, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 204, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 10.899, 172.508 is called "border". The border property can be set on classes, ids or directly on the HTML element.

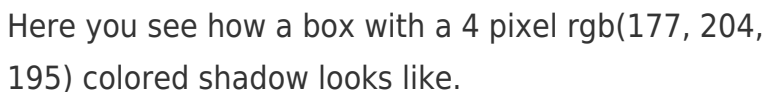
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 204, 195) }
```

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

```
.border{ border-color:rgb(177, 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(177, 204, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 204, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 204, 195);  
box-shadow:4px 4px 4px 4px rgb(177, 204,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 10.899, 172.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 204, 195) }
```

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

```
.background{ background-color: rgb(177,  
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](#).

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