

Converting Colors

CIELCh(80, 18.637, 169.433)

Have a look what the booklet for
CIELCh(80, 18.637, 169.433)
contains.

CIELCh(80, 18.821, 169.240)	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, 18.821, 169.240)

Conversions

Conversions Part 1

Format	Color
Hex	A2D0BF
RGB	162, 208, 191
RGB Percent	64%, 82%, 75%
CMY	0.3639, 0.1835, 0.2502
CMYK	0.22, 0.00, 0.08, 0.18
HSL	158°, 33%, 73%
HSV	158°, 22%, 82%
XYZ	46.9698, 56.6813, 57.8686
YIQ	192.3080, -21.9590, -15.0390

Conversions

Conversions Part 2

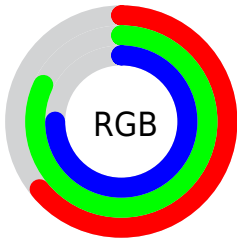
Format	Color
RYB	162, 190, 208
Decimal	10670271
CIELab	80.00, -18.49, 3.51
CIElCh	80, 18.821, 169.240
Yxy	56.6813, 0.2908, 0.3509
Android (android.graphics.Color)	4288860351 (0xFFA2D0BF)
YUV	192.3080, -0.6448, -26.5801
Hunter-Lab	75.2870, -20.3902, 7.1282

Details

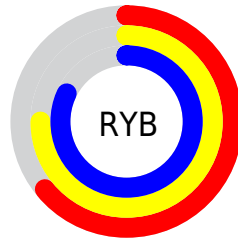
The CIELCh color **80, 18.821, 169.240** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 19.770, 353.515**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.667, 181.128**, and **60, 18.535, 170.440** is the 20% darker color. If you saturate the color by 10%, you get **79, 27.007, 168.133**, and if you desaturate by 10%, it is **82, 10.380, 170.258**.

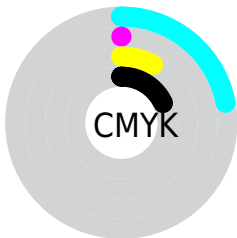
Distribution



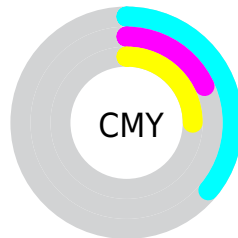
- Red (64%)
- Green (82%)
- Blue (75%)



- Red (64%)
- Yellow (75%)
- Blue (82%)



- Cyan (22%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)





- Cyan (36%)
- Magenta (18%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 18.821, 169.240 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, 18.821, 169.240 by changing the saturation by 10% instead.


 80, 18.821,
169.240


 80, 18.821,
169.240


 100, 18.821,
169.240


 70, 18.821,
169.240


 60, 18.821,
169.240

 50, 18.821,
169.240

 40, 18.821,
169.240

 30, 18.821,
169.240

 20, 18.821,
169.240

 10, 18.821,

169.240

■ 0, 18.821, 169.240

■ 80, 18.821,
169.240

■ 80, 18.821,
169.240

■ 79, 27.007,
168.133

■ 82, 10.380,
170.258

■ 78, 34.795,
166.916

■ 83, 1.802, 171.393

■ 77, 42.043,
165.562

■ 85, 6.810, 351.920

■ 76, 48.615,
164.045

■ 87, 15.374,
352.756

■ 75, 54.402,
162.341

■ 88, 20.272,
347.595

■ 88, 22.588,
338.958

■ 75, 59.348,
160.431

■ 88, 25.342,
332.129

■ 74, 63.468,
158.313

■ 89, 28.405,
326.774

■ 74, 66.286,
156.555

■ 89, 29.338,
325.446

Harmonies

Complementary

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



80, 18.821, 169.240



71, 19.770, 353.515

Rectangle

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



80, 18.821, 169.240



80, 18.821, 219.240



80, 18.821, 349.240



80, 18.821, 39.240

Sweetspot

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



80, 18.822, 169.237



99, 7.092, 170.761



80, 26.613, 132.059



52, 4.608, 170.698



0, 0.000, 0.000



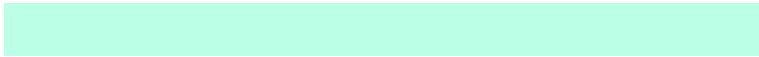
53, 0.007, 296.813

Same Dimension

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



80, 18.822, 169.237



95, 26.955, 168.674



79, 14.082, 210.264



43, 4.890, 170.526



61, 56.208, 156.926



14, 19.687, 162.179

Inverse Universe

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



71, 19.770, 353.515



82, 28.655, 354.149



72, 16.387, 30.885



41, 4.995, 352.134



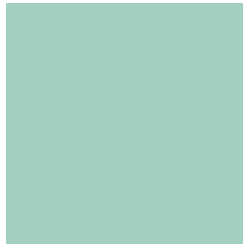
35, 62.483, 14.187



5, 20.815, 1.855

Previews

White Background



This preview shows how the CIELCh color 80, 18.821, 169.240 looks on a white background.

Color Contrast Check

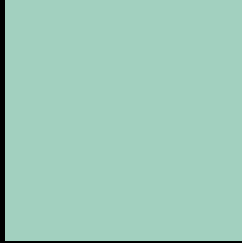
Large Text (above 18pt) WCAG AA × Fail

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, 18.821, 169.240 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

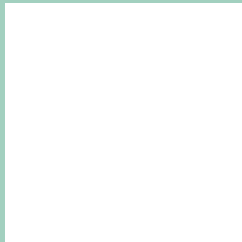
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 18.821, 169.240

Background



This preview shows how black text looks on a background with the CIELCh color 80, 18.821, 169.240.

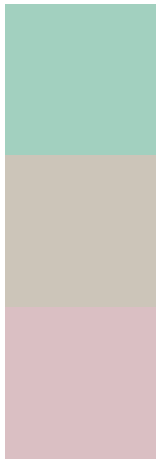


This preview shows how white text looks on a background with the CIELCh color 80, 18.821, 169.240.

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](#).

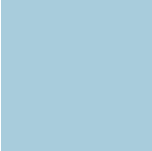
Dichromacy



Original Color
80, 18.821, 169.240

Protanopia
80, 6.882, 87.012

Deuteranopia
80, 10.336, 8.371



Tritanopia
80, 14.546, 234.772

Trichromacy



Original Color
80, 18.821, 169.240

Protanomaly
80, 8.707, 140.183

Deuteranomaly
80, 1.626, 96.885

Tritanomaly
80, 13.791, 207.399

Monochromacy



Original Color
80, 18.821, 169.240

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 7.276, 168.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 18.821, 169.240 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(162, 208, 191)` looks like.

```
.text, #text, p{  
    color:rgb(162, 208, 191)  
}
```

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(162, 208, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 208, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 18.821, 169.240 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(162, 208, 191) }
```

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

```
.border{ border-color:rgb(162, 208, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 208, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 208, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 208, 191);  
box-shadow:4px 4px 4px 4px rgb(162, 208,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 18.821, 169.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 208, 191) }
```

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

```
.background{ background-color: rgb(162,  
208, 191) }
```

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