

Converting Colors

CIELCh(85, 22.230, 160.831)

Have a look what the booklet for
CIELCh(85, 22.230, 160.831)
contains.

CIELCh(85, 21.969, 161.173)	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(85, 21.969, 161.173)

Conversions

Conversions Part 1

Format	Color
Hex	AEDFC6
RGB	174, 223, 198
RGB Percent	68%, 87%, 78%
CMY	0.3168, 0.1246, 0.2227
CMYK	0.22, 0.00, 0.11, 0.12
HSL	149°, 44%, 78%
HSV	149°, 22%, 88%
XYZ	54.1705, 66.0070, 63.4448
YIQ	205.4990, -21.1790, -18.1630

Conversions

Conversions Part 2

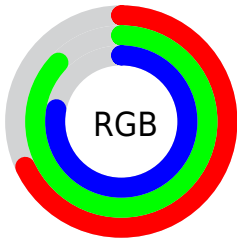
Format	Color
RYB	174, 207, 223
Decimal	11460550
CIELab	85.00, -20.79, 7.09
CIELCh	85, 21.969, 161.173
Yxy	66.0070, 0.2950, 0.3595
Android (android.graphics.Color)	4289650630 (0xFFAEDFC6)
YUV	205.4990, -3.6970, -27.6246
Hunter-Lab	81.2447, -23.1620, 10.5711

Details

The CIELCh color **85, 21.969, 161.173** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **76, 22.553, 345.027**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.521, 198.944**, and **65, 22.157, 160.583** is the 20% darker color. If you saturate the color by 10%, you get **84, 31.771, 160.107**, and if you desaturate by 10%, it is **87, 11.986, 162.132**.

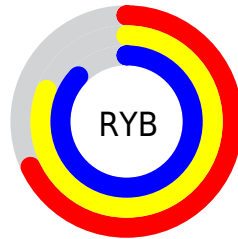
Distribution



Red (68%)

Green (87%)

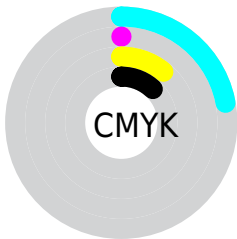
Blue (78%)



Red (68%)

Yellow (81%)

Blue (87%)

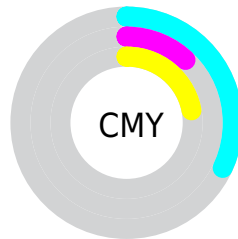


Cyan (22%)

Magenta (0%)

Yellow (11%)

Black (12%)



Cyan (32%)


Magenta (12%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 21.969, 161.173 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 85, 21.969, 161.173 by changing the saturation by 10% instead.


 85, 21.969,
161.173


 85, 21.969,
161.173


 100, 21.969,
161.173


 75, 21.969,
161.173

 65, 21.969,
161.173

 55, 21.969,
161.173

 45, 21.969,
161.173

 35, 21.969,
161.173


 25, 21.969,
161.173


 15, 21.969,


161.173


 5, 21.969, 161.173


 0, 21.969, 161.173

 85, 21.969,
161.173


 85, 21.969,
161.173

 84, 31.771,
160.107


 87, 11.986,
162.132


 82, 41.228,
158.909

 89, 1.951, 163.169


 81, 50.170,
157.552

 91, 8.025, 343.660

 80, 58.429,
156.011

 92, 15.526,
337.401

 80, 65.861,

 92, 19.877,
325.115

154.264

■ 79, 72.375,
152.304

■ 79, 77.959,
150.140

■ 78, 81.901,
148.329

Harmonies

Complementary

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



85, 21.969, 161.173



76, 22.553, 345.027

Rectangle

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



85, 21.969, 161.173



85, 21.969, 211.173



85, 21.969, 341.173



85, 21.969, 31.173

Sweetspot

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



85, 21.971, 161.171



99, 7.811, 162.585



86, 27.026, 127.467



52, 5.076, 162.528



0, 0.000, 0.000



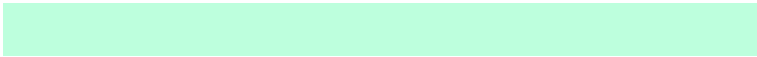
53, 0.007, 296.813

Same Dimension

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



85, 21.971, 161.171



95, 28.921, 160.735



86, 16.575, 196.797



46, 5.715, 162.363



63, 68.002, 148.723



17, 25.553, 153.202

Inverse Universe

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



76, 22.553, 345.027



83, 29.830, 345.461



76, 19.091, 19.729



44, 5.786, 343.841



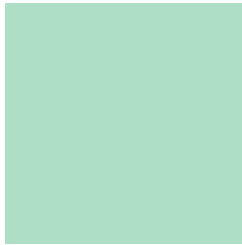
38, 64.295, 0.865



6, 26.537, 353.965

Previews

White Background



This preview shows how the CIELCh color 85, 21.969, 161.173 looks on a white background.

Color Contrast Check

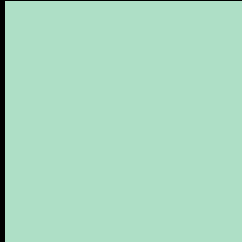
Large Text (above 18pt) WCAG AA × Fail

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 85, 21.969, 161.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

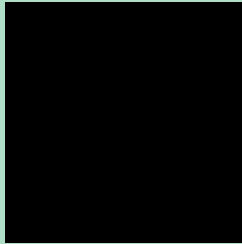
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

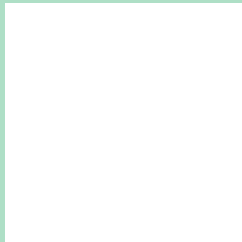
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 21.969, 161.173

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.969, 161.173.

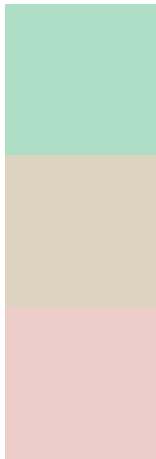


This preview shows how white text looks on a background with the CIELCh color 85, 21.969, 161.173.

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
85, 21.969, 161.173

Protanopia
85, 10.507, 90.461

Deuteranopia
85, 11.736, 27.881



Tritanopia
85, 14.952, 235.661

Trichromacy



Original Color
85, 21.969, 161.173

Protanomaly
85, 11.905, 131.121

Deuteranomaly
85, 5.804, 102.359

Tritanomaly
85, 13.966, 202.822

Monochromacy



Original Color
85, 21.969, 161.173

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 8.099, 162.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.969, 161.173 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(174, 223, 198)` looks like.

```
.text, #text, p{  
    color:rgb(174, 223, 198)  
}
```

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(174, 223, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 223, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.969, 161.173 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(174, 223, 198) }
```

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

```
.border{ border-color:rgb(174, 223, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 223, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 223, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 223, 198); box-shadow:4px 4px 4px 4px rgb(174, 223, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.969, 161.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 223, 198) }
```

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

```
.background{ background-color: rgb(174,  
223, 198) }
```

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