

Converting Colors

CIELCh(85, 12.820, 187.142)

Have a look what the booklet for
CIELCh(85, 12.820, 187.142)
contains.

CIELCh(85, 12.853, 186.692)	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, 12.853, 186.692)

Conversions

Conversions Part 1

Format	Color
Hex	B8DCD7
RGB	184, 220, 215
RGB Percent	72%, 86%, 84%
CMY	0.2799, 0.1388, 0.1584
CMYK	0.16, 0.00, 0.02, 0.14
HSL	172°, 34%, 79%
HSV	172°, 16%, 86%
XYZ	57.3791, 66.0070, 73.7409
YIQ	208.6660, -19.8510, -9.1870

Conversions

Conversions Part 2

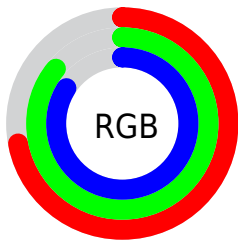
Format	Color
RYB	184, 203, 220
Decimal	12115159
CIELab	85.00, -12.77, -1.50
CIELCh	85, 12.853, 186.692
Yxy	66.0070, 0.2911, 0.3348
Android (android.graphics.Color)	4290305239 (0xFFB8DCD7)
YUV	208.6660, 3.1227, -21.6321
Hunter-Lab	81.2447, -16.1127, 3.0573

Details

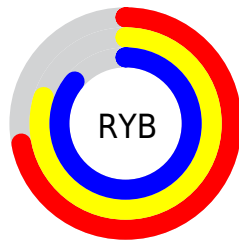
The CIELCh color **85, 12.853, 186.692** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 13.896, 9.525**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.163, 199.206**, and **65, 13.080, 185.972** is the 20% darker color. If you saturate the color by 10%, you get **84, 20.215, 185.798**, and if you desaturate by 10%, it is **87, 5.100, 187.597**.

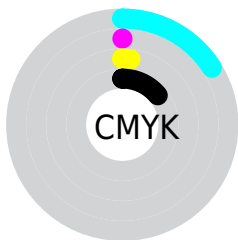
Distribution



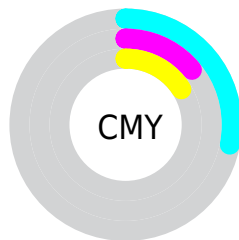
- Red (72%)
- Green (86%)
- Blue (84%)



- Red (72%)
- Yellow (80%)
- Blue (86%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)





- Cyan (28%)
- Magenta (14%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 12.853, 186.692 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, 12.853, 186.692 by changing the saturation by 10% instead.


 85, 12.853,
186.692


 85, 12.853,
186.692


 100, 12.853,
186.692


 75, 12.853,
186.692


 65, 12.853,
186.692

 55, 12.853,
186.692

 45, 12.853,
186.692

 35, 12.853,
186.692

 25, 12.853,
186.692

 15, 12.853,

186.692

■ 5, 12.853, 186.692

■ 0, 12.853, 186.692

■ 85, 12.853,
186.692

■ 85, 12.853,
186.692

■ 84, 20.215,
185.798

■ 87, 5.100, 187.597

■ 82, 27.051,
184.883

■ 88, 2.926, 8.114

■ 81, 33.225,
183.924

■ 90, 11.121, 9.057

■ 81, 38.612,
182.907

■ 91, 13.423, 4.300


■ 80, 43.112,


■ 91, 13.889,
358.012


■ 91, 14.516,


181.811


352.210


 79, 46.666,
180.617


 91, 15.284,
346.950

 79, 49.278,
179.302

 91, 16.174,
342.245

 79, 51.036,
177.855

 91, 17.165,
338.071

 79, 51.561,
177.320

Harmonies

Complementary

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



85, 12.853, 186.692



78, 13.896, 9.525

Rectangle

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



85, 12.853, 186.692



85, 12.853, 236.692



85, 12.853, 6.692



85, 12.853, 56.692

Sweetspot

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



85, 12.854, 186.686



99, 4.514, 187.738



85, 22.079, 139.454



53, 3.077, 187.662



0, 0.000, 0.000



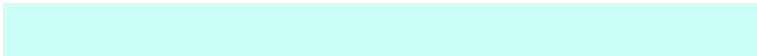
53, 0.007, 296.813

Same Dimension

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



85, 12.854, 186.686



96, 17.563, 186.352



82, 10.314, 239.502



45, 4.505, 187.307



64, 43.112, 177.579



16, 16.833, 180.448

Inverse Universe

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



78, 13.896, 9.525



87, 19.355, 9.961



81, 11.193, 56.341



43, 4.708, 8.782



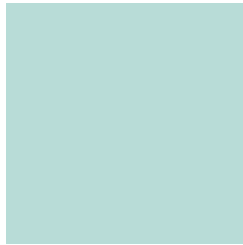
36, 72.280, 33.398



5, 23.721, 14.265

Previews

White Background



This preview shows how the CIE LCh color 85, 12.853, 186.692 looks on a white background.

Color Contrast Check

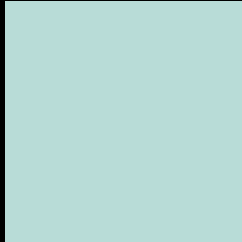
Large Text (above 18pt) WCAG AA × Fail

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, 12.853, 186.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

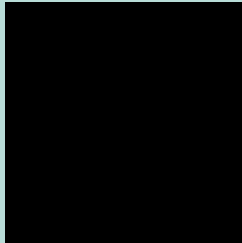
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

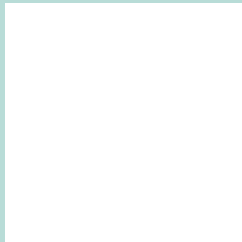
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 12.853, 186.692

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.853, 186.692.

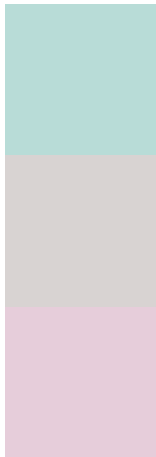


This preview shows how white text looks on a background with the CIELCh color 85, 12.853, 186.692.

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, 12.853, 186.692

Protanopia
85, 1.887, 35.362

Deuteranopia
85, 11.392, 343.452



Tritanopia
85, 13.256, 241.507

Trichromacy



Original Color
85, 12.853, 186.692

Protanomaly
85, 3.747, 182.981

Deuteranomaly
85, 3.861, 306.661

Tritanomaly
85, 11.743, 222.626

Monochromacy



Original Color
85, 12.853, 186.692

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 4.784, 186.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.853, 186.692 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(184, 220, 215)` looks like.

```
.text, #text, p{  
    color:rgb(184, 220, 215)  
}
```

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(184, 220, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 220, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.853, 186.692 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(184, 220, 215) }
```

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

```
.border{ border-color:rgb(184, 220, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 220, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 220, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 220, 215);  
box-shadow:4px 4px 4px 4px rgb(184, 220,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.853, 186.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 220, 215) }
```

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

```
.background{ background-color: rgb(184,  
220, 215) }
```

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