

Converting Colors

CIELCh(85, 12.312, 171.331)

Have a look what the booklet for
CIELCh(85, 12.312, 171.331)
contains.

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Color

CIELCh(85, 12.515, 170.997)

Conversions

Conversions Part 1

Format	Color
Hex	BCDBD0
RGB	188, 219, 208
RGB Percent	74%, 86%, 82%
CMY	0.2622, 0.1406, 0.1838
CMYK	0.14, 0.00, 0.05, 0.14
HSL	159°, 30%, 80%
HSV	159°, 14%, 86%
XYZ	57.5440, 66.0070, 69.4727
YIQ	208.4770, -14.9450, -9.9930

Conversions

Conversions Part 2

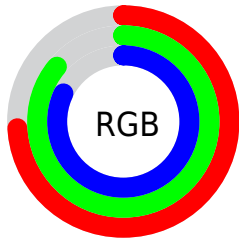
Format	Color
R _{YB}	188, 207, 219
Decimal	12377040
CIE Lab	85.00, -12.36, 1.96
CIE LCh	85, 12.515, 170.997
Yxy	66.0070, 0.2981, 0.3420
Android (android.graphics.Color)	4290567120 (0xFFBCDBD0)
YUV	208.4770, -0.2352, -17.9583
Hunter-Lab	81.2447, -15.7502, 6.1721

Details

The CIELCh color **85, 12.515, 170.997** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **79, 12.939, 353.594**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.799, 199.339**, and **65, 12.561, 172.024** is the 20% darker color. If you saturate the color by 10%, you get **83, 21.171, 169.952**, and if you desaturate by 10%, it is **87, 3.684, 172.030**.

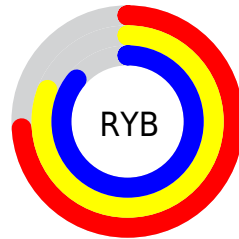
Distribution



Red (74%)

Green (86%)

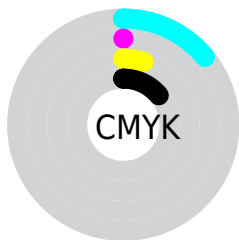
Blue (82%)



Red (74%)

Yellow (81%)

Blue (86%)

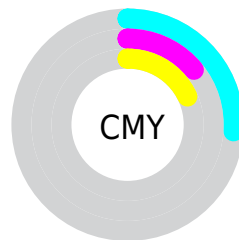


Cyan (14%)

Magenta (0%)

Yellow (5%)

Black (14%)



Cyan (26%)


Magenta (14%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 12.515, 170.997 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, 12.515, 170.997 by changing the saturation by 10% instead.


 85, 12.515,
170.997


 85, 12.515,
170.997


 100, 12.515,
170.997


 75, 12.515,
170.997

 65, 12.515,
170.997

 55, 12.515,
170.997

 45, 12.515,
170.997

 35, 12.515,
170.997

 25, 12.515,
170.997

 15, 12.515,

170.997

■ 5, 12.515, 170.997

■ 0, 12.515, 170.997

■ 85, 12.515,
170.997

■ 85, 12.515,
170.997

■ 83, 21.171,
169.952

■ 87, 3.684, 172.030

■ 82, 29.516,
168.823

■ 89, 5.215, 352.678

■ 81, 37.404,
167.578

■ 91, 14.090,
353.556

■ 80, 44.686,
166.192

■ 91, 16.526,
341.628

■ 79, 51.226,

■ 91, 19.242,
332.208

164.640

91, 22.367,
325.349

79, 56.924,
162.897

91, 22.448,
325.206

78, 61.737,
160.947

78, 65.704,
158.791

78, 67.759,
157.488

Harmonies

Complementary

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



85, 12.515, 170.997



79, 12.939, 353.594

Rectangle

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



85, 12.515, 170.997



85, 12.515, 220.997



85, 12.515, 350.997



85, 12.515, 40.997

Sweetspot

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



85, 12.517, 170.993



99, 4.016, 172.044



85, 17.827, 132.984



53, 2.854, 171.953



0, 0.000, 0.000



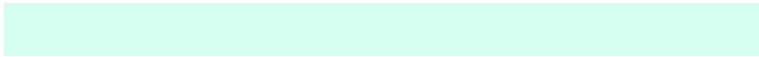
53, 0.007, 296.813

Same Dimension

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



85, 12.517, 170.993



97, 16.969, 170.688



84, 9.512, 212.114



45, 5.038, 171.466



63, 56.511, 157.878



16, 21.046, 162.458

Inverse Universe

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



79, 12.939, 353.594



89, 17.666, 353.923



80, 10.446, 32.208



43, 5.152, 353.094



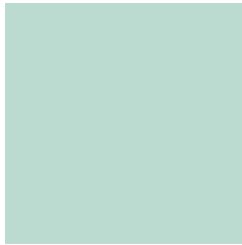
37, 64.172, 15.725



6, 24.079, 3.919

Previews

White Background



This preview shows how the CIELCh color 85, 12.515, 170.997 looks on a white background.

Color Contrast Check

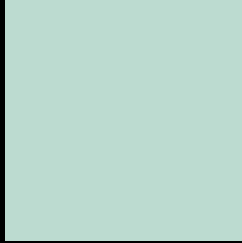
Large Text (above 18pt) WCAG AA × Fail

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, 12.515, 170.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

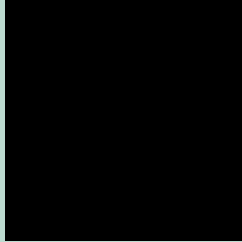
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

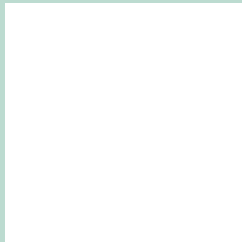
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 12.515, 170.997

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.515, 170.997.

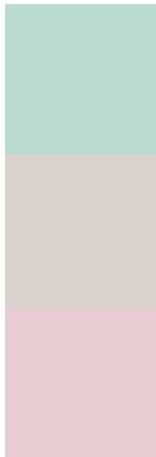


This preview shows how white text looks on a background with the CIELCh color 85, 12.515, 170.997.

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](#).

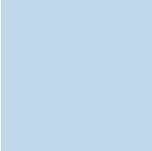
Dichromacy



Original Color
85, 12.515, 170.997

Protanopia
85, 4.467, 74.553

Deuteranopia
85, 10.432, 2.644



Tritanopia
85, 12.088, 250.886

Trichromacy



Original Color
85, 12.515, 170.997

Protanomaly
85, 4.930, 140.874

Deuteranomaly
85, 2.185, 19.305

Tritanomaly
85, 9.596, 221.520

Monochromacy



Original Color
85, 12.515, 170.997

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 4.823, 173.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.515, 170.997 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(188, 219, 208)` looks like.

```
.text, #text, p{  
    color:rgb(188, 219, 208)  
}
```

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(188, 219, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 219, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.515, 170.997 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(188, 219, 208) }
```

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

```
.border{ border-color:rgb(188, 219, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 219, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 219, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 219, 208);  
box-shadow:4px 4px 4px 4px rgb(188, 219,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.515, 170.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 219, 208) }
```

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

```
.background{ background-color: rgb(188,  
219, 208) }
```

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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