

Converting Colors

CIELCh(85, 13.404, 157.662)

Have a look what the booklet for
CIELCh(85, 13.404, 157.662)
contains.

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Color

CIELCh(85, 13.563, 157.333)

Conversions

Conversions Part 1

Format	Color
Hex	BFDBCA
RGB	191, 219, 202
RGB Percent	75%, 86%, 79%
CMY	0.2510, 0.1411, 0.2078
CMYK	0.13, 0.00, 0.08, 0.14
HSL	144°, 28%, 80%
HSV	144°, 13%, 86%
XYZ	57.4810, 66.0070, 65.5911
YIQ	208.6900, -11.2310, -11.2230

Conversions

Conversions Part 2

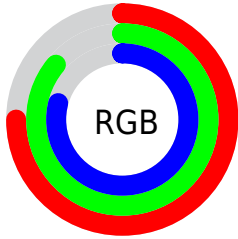
Format	Color
RYB	191, 211, 219
Decimal	12573642
CIELab	85.00, -12.52, 5.23
CIELCh	85, 13.563, 157.333
Yxy	66.0070, 0.3040, 0.3491
Android (android.graphics.Color)	4290763722 (0xFFBFDBCA)
YUV	208.6900, -3.2982, -15.5141
Hunter-Lab	81.2447, -15.8888, 9.0049

Details

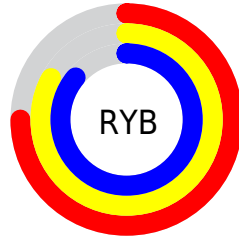
The CIELCh color **85, 13.563, 157.333** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **80, 13.699, 339.243**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 2.426, 199.524**, and **65, 13.659, 157.704** is the 20% darker color. If you saturate the color by 10%, you get **83, 24.180, 156.424**, and if you desaturate by 10%, it is **87, 2.939, 158.227**.

Distribution



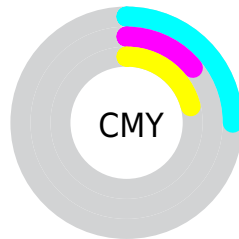
- Red (75%)
- Green (86%)
- Blue (79%)



- Red (75%)
- Yellow (83%)
- Blue (86%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)





- Cyan (25%)
- Magenta (14%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 13.563, 157.333 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, 13.563, 157.333 by changing the saturation by 10% instead.


 85, 13.563,
157.333


 85, 13.563,
157.333


 100, 13.563,
157.333


 75, 13.563,
157.333

 65, 13.563,
157.333

 55, 13.563,
157.333

 45, 13.563,
157.333

 35, 13.563,
157.333

 25, 13.563,
157.333

 15, 13.563,

157.333

■ 5, 13.563, 157.333

■ 0, 13.563, 157.333

■ 85, 13.563,
157.333

■ 85, 13.563,
157.333

■ 83, 24.180,
156.424

■ 87, 2.939, 158.227

■ 82, 34.642,
155.403

■ 89, 7.586, 338.747

■ 81, 44.782,
154.239

■ 91, 17.476,
338.026

■ 79, 54.415,
152.907

■ 91, 22.534,
325.209

■ 79, 63.350,

151.387

■ 78, 71.422,
149.663

■ 77, 78.513,
147.739

■ 77, 84.578,
145.642

■ 77, 88.407,
144.108

Harmonies

Complementary

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



85, 13.563, 157.333



80, 13.699, 339.243

Rectangle

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



85, 13.563, 157.333



85, 13.563, 207.333



85, 13.563, 337.333



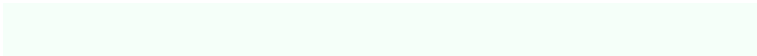
85, 13.563, 27.333

Sweetspot

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



85, 13.565, 157.331



99, 4.780, 158.092



86, 15.174, 124.252



53, 3.400, 158.020



0, 0.000, 0.000



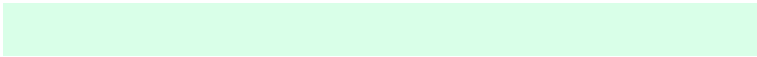
53, 0.007, 296.813

Same Dimension

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



85, 13.565, 157.331



97, 18.011, 157.127



85, 9.998, 188.833



45, 6.022, 157.617



62, 73.660, 144.481



15, 26.784, 149.163

Inverse Universe

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



80, 13.699, 339.243



90, 18.216, 339.437



80, 10.654, 10.883



43, 6.070, 338.969



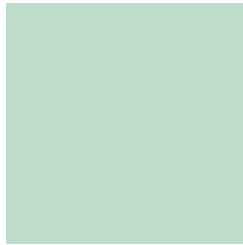
38, 65.716, 352.126



6, 26.446, 346.966

Previews

White Background



This preview shows how the CIELCh color 85, 13.563, 157.333 looks on a white background.

Color Contrast Check

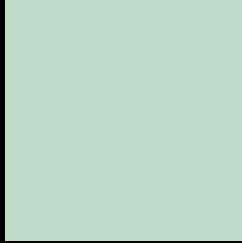
Large Text (above 18pt) WCAG AA × Fail

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 85, 13.563, 157.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

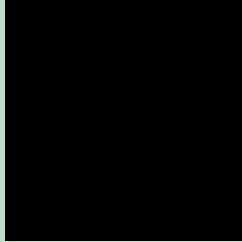
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

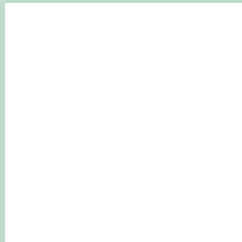
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 13.563, 157.333

Background



This preview shows how black text looks on a background with the CIELCh color 85, 13.563, 157.333.

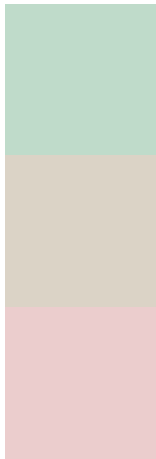


This preview shows how white text looks on a background with the CIELCh color 85, 13.563, 157.333.

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, 13.563, 157.333

Protanopia
85, 7.422, 85.878

Deuteranopia
85, 11.183, 20.203



Tritanopia
85, 10.901, 254.476

Trichromacy



Original Color
85, 13.563, 157.333

Protanomaly
85, 8.087, 122.680

Deuteranomaly
85, 4.556, 63.096

Tritanomaly
85, 8.035, 218.131

Monochromacy



Original Color
85, 13.563, 157.333

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 5.454, 156.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 13.563, 157.333 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(191, 219, 202)` looks like.

```
.text, #text, p{  
    color:rgb(191, 219, 202)  
}
```

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(191, 219, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 219, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 13.563, 157.333 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(191, 219, 202) }
```

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

```
.border{ border-color:rgb(191, 219, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 219, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 219, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 219, 202);  
box-shadow:4px 4px 4px 4px rgb(191, 219,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 13.563, 157.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 219, 202) }
```

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

```
.background{ background-color: rgb(191,  
219, 202) }
```

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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