

Converting Colors

CIELCh(85, 22.451, 133.068)

Have a look what the booklet for
CIELCh(85, 22.451, 133.068)
contains.

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Color

CIELCh(85, 22.471, 133.064)

Conversions

Conversions Part 1

Format	Color
Hex	C3DCB5
RGB	195, 220, 181
RGB Percent	76%, 86%, 71%
CMY	0.2359, 0.1379, 0.2908
CMYK	0.11, 0.00, 0.18, 0.14
HSL	98°, 36%, 79%
HSV	98°, 18%, 86%
XYZ	56.3353, 66.0070, 53.3995
YIQ	208.0790, -2.3810, -17.4290

Conversions

Conversions Part 2

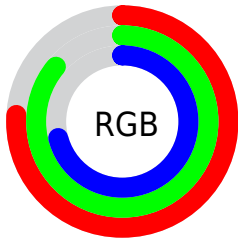
Format	Color
RYB	181, 220, 206
Decimal	12836021
CIELab	85.00, -15.34, 16.42
CIElCh	85, 22.471, 133.064
Yxy	66.0070, 0.3206, 0.3756
Android (android.graphics.Color)	4291026101 (0xFFC3DCB5)
YUV	208.0790, -13.3499, -11.4703
Hunter-Lab	81.2447, -18.4059, 17.9019

Details

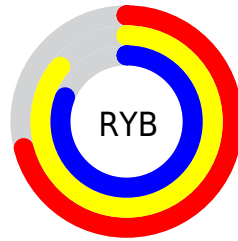
The CIELCh color **85, 22.471, 133.064** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **77, 22.849, 314.586**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 9.188, 116.196**, and **65, 22.550, 133.102** is the 20% darker color. If you saturate the color by 10%, you get **84, 35.140, 132.568**, and if you desaturate by 10%, it is **86, 9.774, 133.533**.

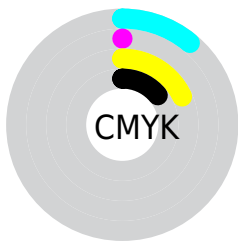
Distribution



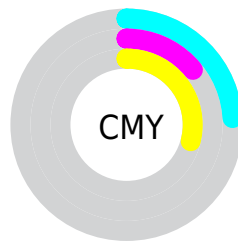
- Red (76%)
- Green (86%)
- Blue (71%)



- Red (71%)
- Yellow (86%)
- Blue (81%)



- Cyan (11%)
- Magenta (0%)
- Yellow (18%)
- Black (14%)




- Cyan (24%)
- Magenta (14%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 22.471, 133.064 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, 22.471, 133.064 by changing the saturation by 10% instead.

 85, 22.471,
133.064

 85, 22.471,
133.064


 100, 22.471,
133.064


 75, 22.471,
133.064

 65, 22.471,
133.064

 55, 22.471,
133.064

 45, 22.471,
133.064

 35, 22.471,
133.064

 25, 22.471,
133.064

 15, 22.471,

133.064

■ 5, 22.471, 133.064

■ 0, 22.471, 133.064

■ 85, 22.471,
133.064

■ 85, 22.471,
133.064

■ 84, 35.140,
132.568

■ 86, 9.774, 133.533

■ 82, 47.628,
132.051

■ 88, 2.854, 313.868

■ 81, 59.729,
131.542

■ 90, 15.336,
314.286

■ 80, 71.153,
131.096

■ 91, 21.318,
322.151

■ 80, 81.495,

■ 91, 22.014,
325.191

130.797

■ 79, 90.241,
130.762

■ 78, 96.854,
131.120

■ 78, 101.091,
131.925

■ 78, 101.875,
132.113

Harmonies

Complementary

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



85, 22.471, 133.064



77, 22.849, 314.586

Rectangle

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



85, 22.471, 133.064



85, 22.471, 183.064



85, 22.471, 313.064



85, 22.471, 3.064

Sweetspot

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



85, 22.473, 133.066



99, 7.110, 133.659



83, 14.113, 86.083



53, 4.853, 133.625



0, 0.000, 0.000



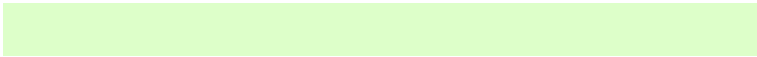
53, 0.007, 296.813

Same Dimension

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



85, 22.473, 133.066



96, 30.017, 132.898



84, 22.894, 147.136



45, 7.160, 133.456



63, 85.115, 131.885



16, 30.619, 132.826

Inverse Universe

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



77, 22.849, 314.586



86, 30.614, 314.740



78, 22.946, 329.351



43, 7.230, 314.217



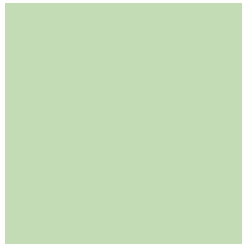
30, 90.678, 315.620



4, 32.355, 315.045

Previews

White Background



This preview shows how the CIELCh color 85, 22.471, 133.064 looks on a white background.

Color Contrast Check

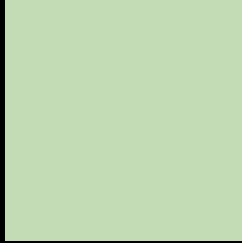
Large Text (above 18pt) WCAG AA × Fail

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, 22.471, 133.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

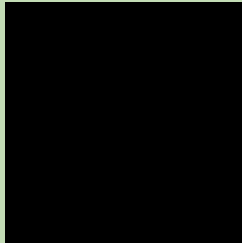
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

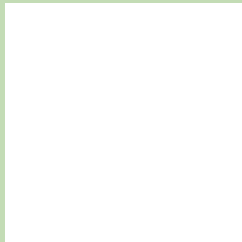
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 22.471, 133.064

Background



This preview shows how black text looks on a background with the CIELCh color 85, 22.471, 133.064.

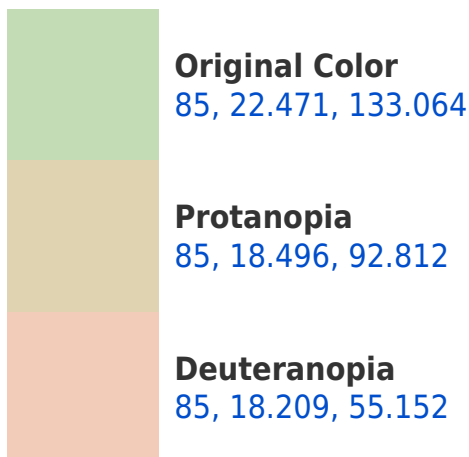


This preview shows how white text looks on a background with the CIELCh color 85, 22.471, 133.064.

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](#).

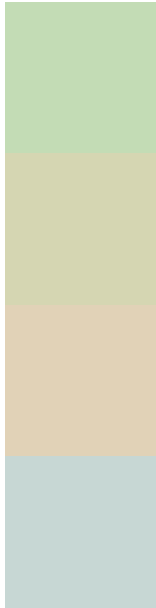
Dichromacy





Tritanopia
85, 9.637, 267.767

Trichromacy



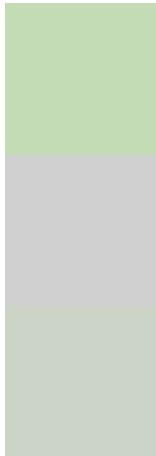
Original Color
85, 22.471, 133.064

Protanomaly
85, 18.808, 109.720

Deuteranomaly
85, 15.282, 86.774

Tritanomaly
85, 5.940, 183.647

Monochromacy



Original Color
85, 22.471, 133.064

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 8.096, 133.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 22.471, 133.064 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(195, 220, 181)` looks like.

```
.text, #text, p{  
    color:rgb(195, 220, 181)  
}
```

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(195, 220, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 220, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 22.471, 133.064 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(195, 220, 181) }
```

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

```
.border{ border-color:rgb(195, 220, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 220, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 220, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 220, 181);  
box-shadow:4px 4px 4px 4px rgb(195, 220,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 22.471, 133.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 220, 181) }
```

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

```
.background{ background-color: rgb(195,  
220, 181) }
```

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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