

Converting Colors

CIECh(85, 21.213, 128.280)

Have a look what the booklet for
CIELCh(85, 21.213, 128.280)
contains.

CIELCh(85, 21.610, 127.808)	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, 21.610, 127.808)

Conversions

Conversions Part 1

Format	Color
Hex	C8DBB4
RGB	200, 219, 180
RGB Percent	78%, 86%, 71%
CMY	0.2170, 0.1425, 0.2954
CMYK	0.09, 0.00, 0.18, 0.14
HSL	89°, 35%, 78%
HSV	89°, 18%, 86%
XYZ	57.1830, 66.0070, 52.7357
YIQ	208.8730, 1.1950, -16.1570

Conversions

Conversions Part 2

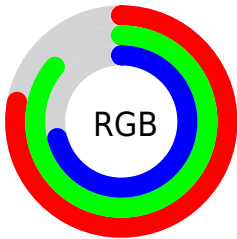
Format	Color
R _{YB}	180, 219, 199
Decimal	13163444
CIE Lab	85.00, -13.25, 17.07
CIE LCh	85, 21.610, 127.808
Yxy	66.0070, 0.3250, 0.3752
Android (android.graphics.Color)	4291353524 (0xFFC8DBB4)
YUV	208.8730, -14.2344, -7.7816
Hunter-Lab	81.2447, -16.5434, 18.3864

Details

The CIELCh color **85, 21.610, 127.808** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **76, 22.160, 309.459**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 9.618, 109.449**, and **65, 21.625, 127.574** is the 20% darker color. If you saturate the color by 10%, you get **84, 33.678, 127.321**, and if you desaturate by 10%, it is **86, 9.479, 128.287**.

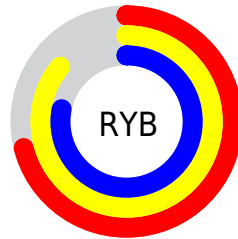
Distribution



Red (78%)

Green (86%)

Blue (71%)



Red (71%)

Yellow (86%)

Blue (78%)

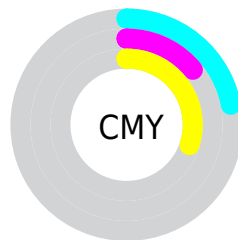


Cyan (9%)

Magenta (0%)

Yellow (18%)

Black (14%)



Cyan (22%)


Magenta (14%)

Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 21.610, 127.808 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, 21.610, 127.808 by changing the saturation by 10% instead.

 85, 21.610,
127.808


 85, 21.610,
127.808


 100, 21.610,
127.808


 75, 21.610,
127.808

 65, 21.610,
127.808

 55, 21.610,
127.808

 45, 21.610,
127.808

 35, 21.610,
127.808


 25, 21.610,
127.808


 15, 21.610,


127.808

 5, 21.610, 127.808


 0, 21.610, 127.808

 85, 21.610,
127.808


 85, 21.610,
127.808


 84, 33.678,
127.321


 86, 9.479, 128.287


 83, 45.549,
126.835

 88, 2.631, 308.668

 82, 57.039,
126.387

 89, 14.654,
309.112

 81, 67.878,
126.034

 90, 20.665,
314.733

 80, 77.683,

 91, 22.363,
323.646

125.861

91, 22.745,
325.216

80, 85.960,
125.984

79, 92.195,
126.532

79, 96.183,
127.561

78, 96.907,
127.799

Harmonies

Complementary

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



85, 21.610, 127.808



76, 22.160, 309.459

Rectangle

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



85, 21.610, 127.808



85, 21.610, 177.808



85, 21.610, 307.808



85, 21.610, 357.808

Sweetspot

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



85, 21.612, 127.810



99, 6.848, 128.420



81, 12.658, 71.413



53, 4.673, 128.386



0, 0.000, 0.000



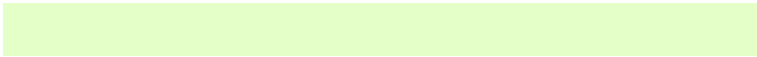
53, 0.007, 296.813

Same Dimension

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



85, 21.612, 127.810



97, 28.826, 127.647



84, 25.004, 142.907



46, 6.890, 128.211



63, 81.302, 127.540



16, 29.183, 127.957

Inverse Universe

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



76, 22.160, 309.459



85, 29.700, 309.633



78, 25.038, 324.946



43, 6.988, 309.040



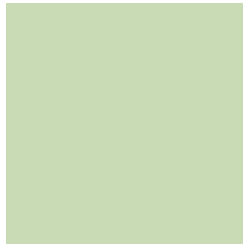
27, 93.661, 311.664



3, 31.145, 308.888

Previews

White Background



This preview shows how the CIELCh color 85, 21.610, 127.808 looks on a white background.

Color Contrast Check

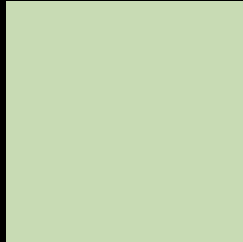
Large Text (above 18pt) WCAG AA × Fail

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, 21.610, 127.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

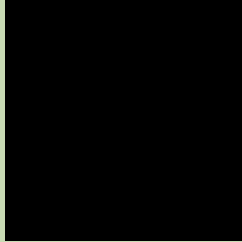
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

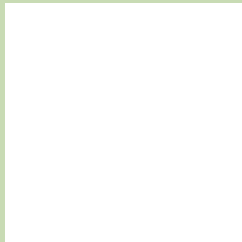
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 21.610, 127.808

Background



This preview shows how black text looks on a background with the CIELCh color 85, 21.610, 127.808.

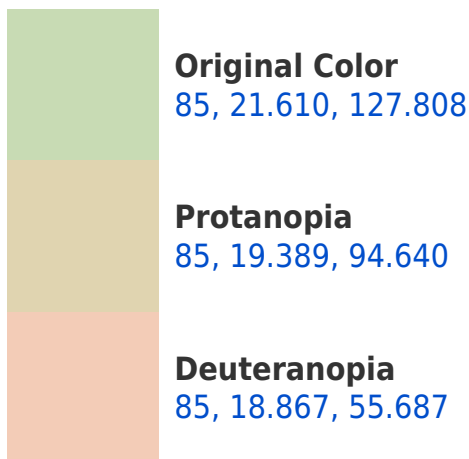


This preview shows how white text looks on a background with the CIELCh color 85, 21.610, 127.808.

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](#).

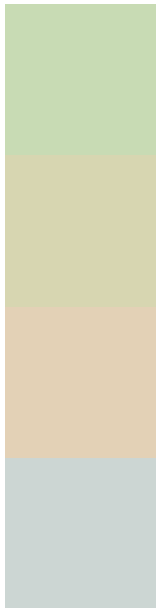
Dichromacy





Tritanopia
85, 9.081, 279.915

Trichromacy



Original Color
85, 21.610, 127.808

Protanomaly
85, 19.321, 107.366

Deuteranomaly
85, 15.781, 82.841

Tritanomaly
85, 3.939, 175.662

Monochromacy



Original Color
85, 21.610, 127.808

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 8.304, 127.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 21.610, 127.808 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(200, 219, 180)` looks like.

```
.text, #text, p{  
    color:rgb(200, 219, 180)  
}
```

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(200, 219, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 219, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 21.610, 127.808 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(200, 219, 180) }
```

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

```
.border{ border-color:rgb(200, 219, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 219, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 219, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 219, 180);  
box-shadow:4px 4px 4px 4px rgb(200, 219,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 21.610, 127.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 219, 180) }
```

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

```
.background{ background-color: rgb(200,  
219, 180) }
```

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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