

Converting Colors

CIELCh(84, 8.778, 129.593)

Have a look what the booklet for
CIELCh(84, 8.778, 129.593) contains.

CIELCh(84, 8.438, 129.938)	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(84, 8.438, 129.938)

Conversions

Conversions Part 1

Format	Color
Hex	CCD4C5
RGB	204, 212, 197
RGB Percent	80%, 83%, 77%
CMY	0.1994, 0.1680, 0.2268
CMYK	0.04, 0.00, 0.07, 0.17
HSL	92°, 15%, 80%
HSV	92°, 7%, 83%
XYZ	58.6256, 64.0658, 62.1949
YIQ	207.8980, 0.0470, -6.3610

Conversions

Conversions Part 2

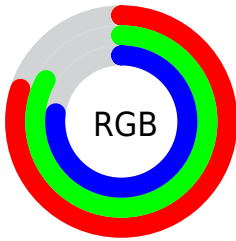
Format	Color
RYB	197, 212, 205
Decimal	13423813
CIELab	84.00, -5.42, 6.47
CIELCh	84, 8.438, 129.938
Yxy	64.0658, 0.3171, 0.3465
Android (android.graphics.Color)	4291613893 (0xFFCCD4C5)
YUV	207.8980, -5.3727, -3.4185
Hunter-Lab	80.0411, -9.3307, 9.9582

Details

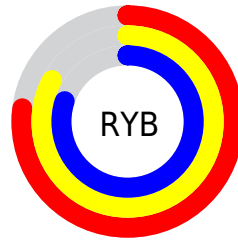
The CIELCh color **84, 8.438, 129.938** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 8.529, 310.517**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.496, 109.985**, and **64, 8.268, 128.696** is the 20% darker color. If you saturate the color by 10%, you get **83, 20.418, 129.478**, and if you desaturate by 10%, it is **85, 3.496, 310.310**.

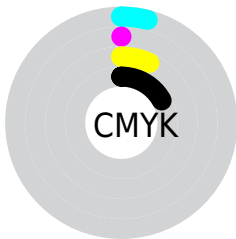
Distribution



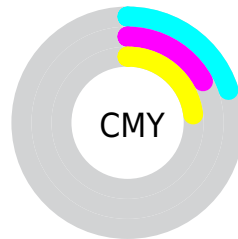
- Red (80%)
- Green (83%)
- Blue (77%)



- Red (77%)
- Yellow (83%)
- Blue (80%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (17%)



- Cyan (20%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 8.438, 129.938 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 84, 8.438, 129.938 by changing the saturation by 10% instead.

■ 84, 8.438, 129.938

■ 84, 8.438, 129.938

■ 100, 8.438,
129.938

■ 74, 8.438, 129.938

■ 64, 8.438, 129.938

■ 54, 8.438, 129.938

■ 44, 8.438, 129.938

■ 34, 8.438, 129.938

■ 24, 8.438, 129.938

■ 14, 8.438, 129.938

■ 4, 8.438, 129.938

■ 0, 8.438, 129.938

84, 8.438, 129.938

84, 8.438, 129.938

83, 20.418,
129.478

85, 3.496, 310.310

82, 32.351,
128.997

87, 15.328,
310.725

80, 44.112,
128.511

88, 24.191,
313.396

79, 55.522,
128.053

89, 25.851,
321.653

79, 66.323,
127.677

90, 26.844,
325.359

78, 76.149,
127.463

77, 84.523,
127.529

77, 90.936,
128.001

■ 76, 95.119,
128.954

Harmonies

Complementary

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



84, 8.438, 129.938



81, 8.529, 310.517

Rectangle

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



84, 8.438, 129.938



84, 8.438, 179.938



84, 8.438, 309.938



84, 8.438, 359.938

Sweetspot

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



84, 8.440, 129.943



100, 2.759, 130.200



83, 4.936, 77.991



53, 1.568, 130.208



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 8.440, 129.943



99, 11.088, 129.896



84, 9.454, 144.959



44, 6.831, 129.834



62, 81.594, 129.014



15, 28.054, 130.137

Inverse Universe

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



81, 8.529, 310.517



94, 11.215, 310.564



81, 9.473, 325.705



42, 6.919, 310.627



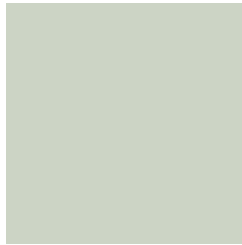
27, 91.717, 312.751



3, 29.208, 309.751

Previews

White Background



This preview shows how the CIELCh color 84, 8.438, 129.938 looks on a white background.

Color Contrast Check

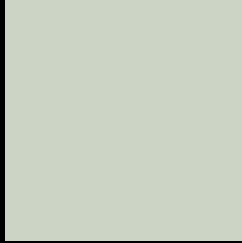
Large Text (above 18pt) WCAG AA × Fail

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 84, 8.438, 129.938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

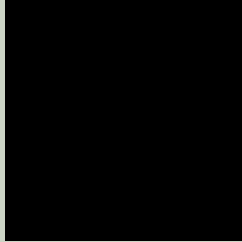
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

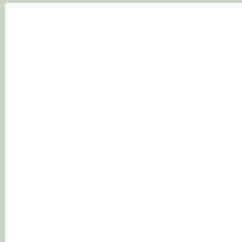
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 8.438, 129.938

Background



This preview shows how black text looks on a background with the CIELCh color 84, 8.438, 129.938.



This preview shows how white text looks on a background with the CIELCh color 84, 8.438, 129.938.

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

84, 8.438, 129.938

Protanopia

84, 7.789, 89.886

Deuteranopia

84, 11.773, 27.890



Tritanopia
84, 8.975, 290.954

Trichromacy



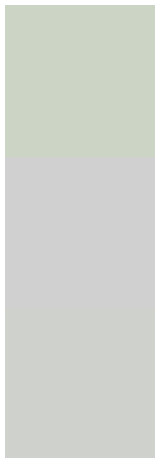
Original Color
84, 8.438, 129.938

Protanomaly
84, 7.381, 103.745

Deuteranomaly
84, 7.617, 53.151

Tritanomaly
84, 2.835, 268.221

Monochromacy



Original Color
84, 8.438, 129.938

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 3.346, 128.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 8.438, 129.938 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(204, 212, 197)` looks like.

```
.text, #text, p{  
    color:rgb(204, 212, 197)  
}
```

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(204, 212, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 212, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 8.438, 129.938 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(204, 212, 197) }
```

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

```
.border{ border-color:rgb(204, 212, 197) }
```

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

Here you see how a box with a 4 pixel rgb(204, 212, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 212, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 212, 197);  
box-shadow:4px 4px 4px 4px rgb(204, 212,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 8.438, 129.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 212, 197) }
```

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

```
.background{ background-color: rgb(204,  
212, 197) }
```

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