

Converting Colors

CIELCh(81, 21.708, 126.837)

Have a look what the booklet for
CIELCh(81, 21.708, 126.837)
contains.

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Color

CIELCh(81, 21.708, 126.837)

Conversions

Conversions Part 1

Format	Color
Hex	BDCFA8
RGB	189, 207, 168
RGB Percent	74%, 81%, 66%
CMY	0.2576, 0.1870, 0.3400
CMYK	0.09, 0.00, 0.19, 0.19
HSL	88°, 29%, 74%
HSV	88°, 19%, 81%
XYZ	50.5450, 58.4711, 45.8134
YIQ	197.1720, 1.7910, -15.9450

Conversions

Conversions Part 2

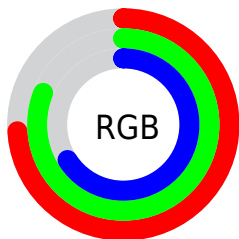
Format	Color
RYB	168, 207, 186
Decimal	12439464
CIELab	81.00, -13.01, 17.37
CIELCh	81, 21.708, 126.837
Yxy	58.4711, 0.3265, 0.3776
Android (android.graphics.Color)	4290629544 (0xFFBDCFA8)
YUV	197.1720, -14.3818, -7.1668
Hunter-Lab	76.4664, -15.8259, 18.0040

Details

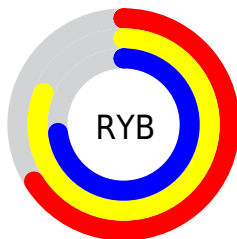
The CIELCh color $81, 21.708, 126.837$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $72, 22.322, 308.628$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 16.637, 121.564$, and $61, 21.898, 127.502$ is the 20% darker color. If you saturate the color by 10%, you get $80, 33.175, 126.344$, and if you desaturate by 10%, it is $82, 10.166, 127.324$.

Distribution



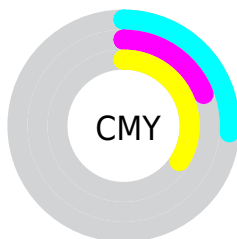
- Red (74%)
- Green (81%)
- Blue (66%)



- Red (66%)
- Yellow (81%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)





- Cyan (26%)
- Magenta (19%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 21.708, 126.837 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 81, 21.708, 126.837 by changing the saturation by 10% instead.


 81, 21.708,
126.837


 81, 21.708,
126.837


 100, 21.708,
126.837


 71, 21.708,
126.837

 61, 21.708,
126.837

 51, 21.708,
126.837

 41, 21.708,
126.837

 31, 21.708,
126.837

 21, 21.708,
126.837

 11, 21.708,

126.837

■ 1, 21.708, 126.837

■ 0, 21.708, 126.837

■ 81, 21.708,
126.837

■ 81, 21.708,
126.837

■ 80, 33.175,
126.344

■ 82, 10.166,
127.324

■ 79, 44.436,
125.858

■ 83, 1.370, 307.688

■ 78, 55.313,
125.417

■ 85, 12.837,
308.178

■ 77, 65.542,
125.079

■ 86, 24.192,
308.567

■ 77, 74.752,

■ 87, 27.107,
314.135

124.930

88, 28.470,
320.441

76, 82.465,
125.087

89, 29.899,
325.465

75, 88.204,
125.676

75, 91.883,
126.718

75, 92.269,
126.844

Harmonies

Complementary

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



81, 21.708, 126.837



72, 22.322, 308.628

Rectangle

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



81, 21.708, 126.837



81, 21.708, 176.837



81, 21.708, 306.837



81, 21.708, 356.837

Sweetspot

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



81, 21.710, 126.839



99, 8.175, 127.457



77, 12.626, 67.640



53, 5.424, 127.425



0, 0.000, 0.000



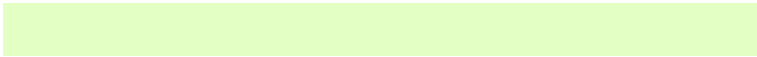
53, 0.007, 296.813

Same Dimension

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



81, 21.710, 126.839



97, 31.370, 126.619



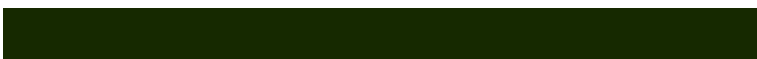
80, 25.002, 141.993



44, 6.588, 127.296



62, 78.836, 126.601



14, 25.824, 128.202

Inverse Universe

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



72, 22.322, 308.628



83, 32.477, 308.871



73, 25.065, 324.056



41, 6.685, 308.143



25, 92.095, 311.136



3, 26.542, 306.041

Previews

White Background



This preview shows how the CIELCh color 81, 21.708, 126.837 looks on a white background.

Color Contrast Check

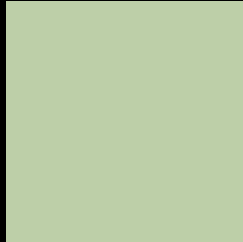
Large Text (above 18pt) WCAG AA × Fail

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 81, 21.708, 126.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

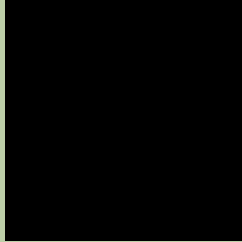
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

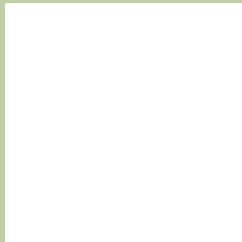
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 21.708, 126.837

Background



This preview shows how black text looks on a background with the CIELCh color 81, 21.708, 126.837.



This preview shows how white text looks on a background with the CIELCh color 81, 21.708, 126.837.

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
81, 21.708, 126.837

Protanopia
81, 19.090, 94.188

Deuteranopia
81, 19.128, 57.484



Tritanopia
81, 8.651, 279.233

Trichromacy



Original Color
81, 21.708, 126.837

Protanomaly
81, 19.507, 107.278

Deuteranomaly
81, 16.434, 83.444

Tritanomaly
81, 3.922, 166.490

Monochromacy



Original Color
81, 21.708, 126.837

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.893, 128.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 21.708, 126.837 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(189, 207, 168)` looks like.

```
.text, #text, p{  
    color:rgb(189, 207, 168)  
}
```

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(189, 207, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 207, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 21.708, 126.837 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(189, 207, 168) }
```

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

```
.border{ border-color:rgb(189, 207, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 207, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 207, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 207, 168);  
box-shadow:4px 4px 4px 4px rgb(189, 207,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 21.708, 126.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 207, 168) }
```

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

```
.background{ background-color: rgb(189,  
207, 168) }
```

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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