

Converting Colors

CIELCh(83, 3.686, 114.492)

Have a look what the booklet for
CIELCh(83, 3.686, 114.492) contains.

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Color

CIELCh(83, 3.682, 109.838)

Conversions

Conversions Part 1

Format	Color
Hex	CFCFC8
RGB	207, 207, 200
RGB Percent	81%, 81%, 78%
CMY	0.1876, 0.1876, 0.2151
CMYK	0.00, 0.00, 0.03, 0.19
HSL	60°, 7%, 80%
HSV	60°, 3%, 81%
XYZ	58.5665, 62.1629, 63.6477
YIQ	206.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

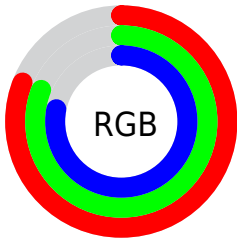
Format	Color
R_{YB}	200, 207, 200
Decimal	13619144
CIE Lab	83.00, -1.25, 3.46
CIE LCh	83, 3.682, 109.838
Yxy	62.1629, 0.3176, 0.3372
Android (android.graphics.Color)	4291809224 (0xFFCFCFC8)
YUV	206.2020, -3.0576, 0.6998
Hunter-Lab	78.8435, -5.3827, 7.3276

Details

The CIELCh color **83, 3.682, 109.838** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 3.729, 290.546**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 3.897, 109.738** is the 20% darker color. If you saturate the color by 10%, you get **83, 14.579, 108.911**, and if you desaturate by 10%, it is **84, 7.246, 290.831**.

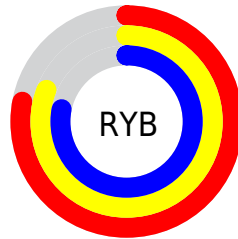
Distribution



Red (81%)

Green (81%)

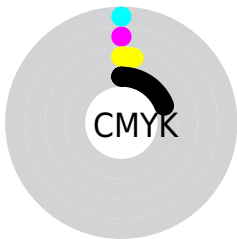
Blue (78%)



Red (78%)

Yellow (81%)

Blue (78%)

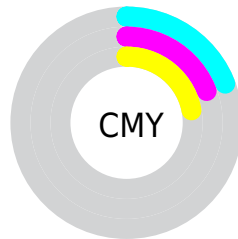


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (19%)



Cyan (19%)

Magenta (19%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 3.682, 109.838 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 83, 3.682, 109.838 by changing the saturation by 10% instead.

■ 83, 3.682, 109.838

■ 83, 3.682, 109.838

■ 100, 3.682,
109.838

■ 73, 3.682, 109.838

■ 63, 3.682, 109.838

■ 53, 3.682, 109.838

■ 43, 3.682, 109.838

■ 33, 3.682, 109.838

■ 23, 3.682, 109.838

■ 13, 3.682, 109.838

■ 3, 3.682, 109.838

■ 0, 3.682, 109.838

83, 3.682, 109.838

83, 3.682, 109.838

83, 14.579,
108.911

84, 7.246, 290.831

82, 25.380,
107.944

84, 18.172,
291.743

82, 35.995,
106.987

85, 25.233,
292.321

81, 46.282,
106.060

85, 25.233,
292.329

81, 56.020,
105.190

85, 25.233,
292.337

81, 64.882,
104.410

85, 25.233,
292.345

81, 72.418,
103.759

85, 25.233,
292.354

81, 78.111,
103.278

85, 25.233,
292.362

■ 81, 81.562,
102.991

■ 85, 25.233,
292.370

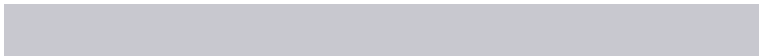
Harmonies

Complementary

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



83, 3.682, 109.838



81, 3.729, 290.546

Rectangle

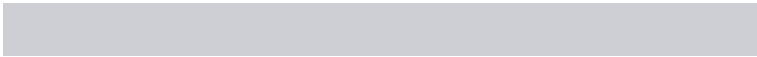
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 3.682, 109.838



83, 3.682, 159.838



83, 3.682, 289.838



83, 3.682, 339.838

Sweetspot

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



83, 3.684, 109.860



100, 1.282, 110.043



81, 2.576, 19.389



53, 0.729, 110.045



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 3.684, 109.860



100, 5.161, 109.799



83, 3.918, 128.954



44, 3.117, 109.738



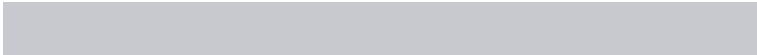
67, 70.993, 102.885



16, 23.491, 104.926

Inverse Universe

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



81, 3.729, 290.546



97, 5.227, 290.611



81, 3.953, 309.185



42, 3.159, 290.676



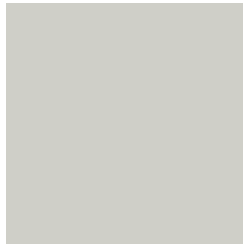
19, 98.025, 306.289



1, 25.556, 293.229

Previews

White Background



This preview shows how the CIELCh color 83, 3.682, 109.838 looks on a white background.

Color Contrast Check

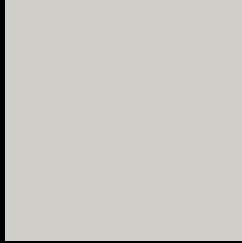
Large Text (above 18pt) WCAG AA × Fail

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 83, 3.682, 109.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

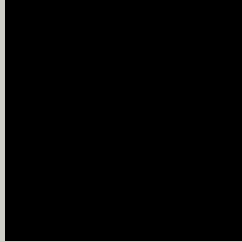
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

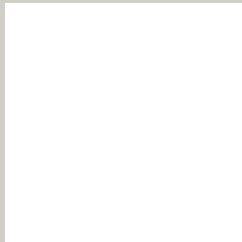
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 3.682, 109.838

Background



This preview shows how black text looks on a background with the CIELCh color 83, 3.682, 109.838.

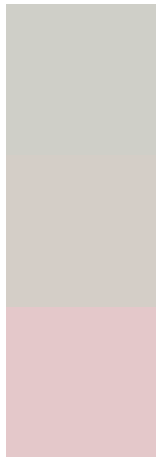


This preview shows how white text looks on a background with the CIELCh color 83, 3.682, 109.838.

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


83, 3.682, 109.838

Protanopia

83, 4.285, 78.623

Deuteranopia

83, 10.491, 14.431



Tritanopia
83, 8.766, 304.956

Trichromacy



Original Color
83, 3.682, 109.838

Protanomaly
83, 3.957, 87.906

Deuteranomaly
83, 6.394, 29.250

Tritanomaly
83, 4.494, 309.204

Monochromacy



Original Color
83, 3.682, 109.838

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.046, 110.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 3.682, 109.838 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(207, 207, 200)` looks like.

```
.text, #text, p{  
    color:rgb(207, 207, 200)  
}
```

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(207, 207, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 207, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 3.682, 109.838 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(207, 207, 200) }
```

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

```
.border{ border-color:rgb(207, 207, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 207, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 207, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 207, 200);  
box-shadow:4px 4px 4px 4px rgb(207, 207,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 3.682, 109.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 207, 200) }
```

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

```
.background{ background-color: rgb(207,  
207, 200) }
```

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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