

Converting Colors

CIELCh(83, 2.100, 49.339)

Have a look what the booklet for
CIELCh(83, 2.100, 49.339) contains.

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Color

CIELCh(83, 2.100, 49.339)

Conversions

Conversions Part 1

Format	Color
Hex	D3CECC
RGB	211, 206, 204
RGB Percent	83%, 81%, 80%
CMY	0.1736, 0.1932, 0.2011
CMYK	0.00, 0.02, 0.03, 0.17
HSL	17°, 7%, 81%
HSV	17°, 3%, 83%
XYZ	59.6542, 62.1629, 65.8074
YIQ	207.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

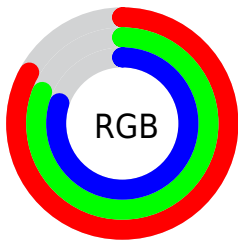
Format	Color
R _Y B	211, 207, 204
Decimal	13881036
CIE Lab	83.00, 1.37, 1.59
CIE LCh	83, 2.100, 49.339
Yxy	62.1629, 0.3179, 0.3313
Android (android.graphics.Color)	4292071116 (0xFFD3CECC)
YUV	207.2670, -1.6106, 3.2738
Hunter-Lab	78.8435, -2.9202, 5.7035

Details

The CIELCh color **83, 2.100, 49.339** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 2.070, 230.321**, 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, 2.229, 49.339** is the 20% darker color. If you saturate the color by 10%, you get **79, 8.759, 49.025**, and if you desaturate by 10%, it is **87, 4.086, 230.406**.

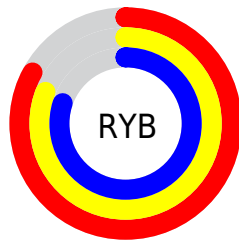
Distribution



Red (83%)

Green (81%)

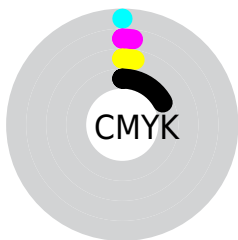
Blue (80%)



Red (83%)

Yellow (81%)

Blue (80%)

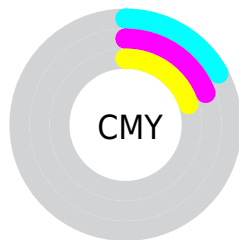


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (17%)



Cyan (17%)

Magenta (19%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 2.100, 49.339 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, 2.100, 49.339 by changing the saturation by 10% instead.



83, 2.100, 49.339

83, 2.100, 49.339

79, 8.759, 49.025

87, 4.086, 230.406

74, 15.943, 48.549

92, 9.852, 230.979

70, 23.699, 48.148

96, 13.493,
207.740

66, 32.057, 47.857

97, 14.772,
198.522

62, 41.011, 47.696

59, 50.491, 47.667

55, 60.283, 47.717

52, 69.882, 47.677

50, 78.207, 47.125

Harmonies

Complementary

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



83, 2.100, 49.339



83, 2.070, 230.321

Rectangle

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



83, 2.100, 49.339



83, 2.100, 99.339



83, 2.100, 229.339



83, 2.100, 279.339

Sweetspot

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



83, 2.100, 49.403



99, 0.729, 48.953



83, 3.700, 333.748



53, 0.414, 48.911



0, 0.000, 0.000



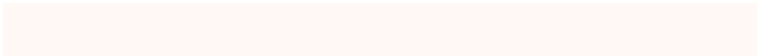
53, 0.007, 296.813

Same Dimension

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



83, 2.100, 49.403



98, 2.962, 49.406



84, 2.922, 98.949



43, 1.793, 49.397



39, 69.589, 47.008



7, 16.980, 36.238

Inverse Universe

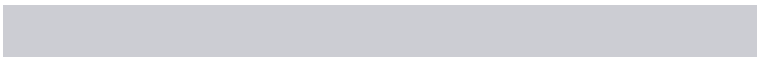
The Inverse Universe completely reimagines the original color for something new.



83, 2.070, 230.321



99, 2.906, 230.324



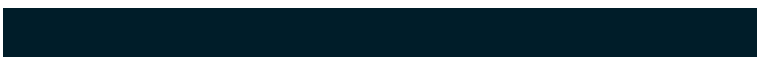
83, 2.949, 279.825



43, 1.752, 230.340



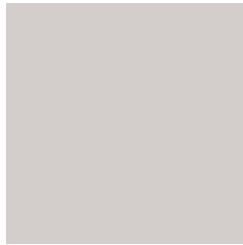
47, 35.026, 253.125



9, 12.555, 241.869

Previews

White Background



This preview shows how the CIELCh color 83, 2.100, 49.339 looks on a white background.

Color Contrast Check

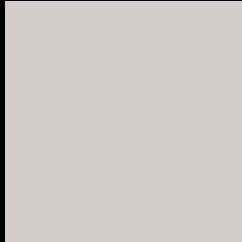
Large Text (above 18pt) WCAG AA × Fail

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, 2.100, 49.339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

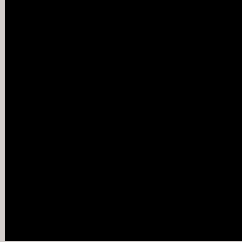
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

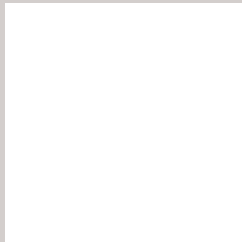
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 2.100, 49.339

Background



This preview shows how black text looks on a background with the CIELCh color 83, 2.100, 49.339.

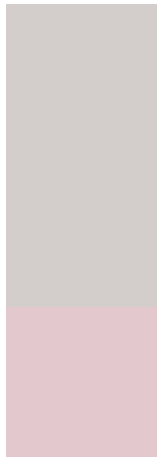


This preview shows how white text looks on a background with the CIELCh color 83, 2.100, 49.339.

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

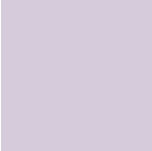
83, 2.100, 49.339

Protanopia

83, 2.100, 49.339

Deuteranopia

83, 10.350, 5.463



Tritanopia
83, 9.236, 313.596

Trichromacy



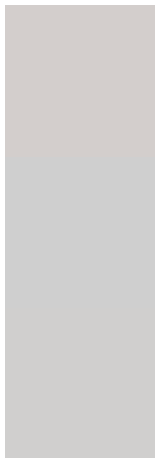
Original Color
83, 2.100, 49.339

Protanomaly
83, 2.100, 49.339

Deuteranomaly
83, 7.193, 7.212

Tritanomaly
83, 5.602, 321.559

Monochromacy



Original Color
83, 2.100, 49.339

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 0.630, 74.703

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 83, 2.100, 49.339 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(211, 206, 204)` looks like.

```
.text, #text, p{  
    color:rgb(211, 206, 204)  
}
```

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(211, 206, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 206, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 2.100, 49.339 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(211, 206, 204) }
```

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

```
.border{ border-color:rgb(211, 206, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 206, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 206, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 206, 204);  
box-shadow:4px 4px 4px 4px rgb(211, 206,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 2.100, 49.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 206, 204) }
```

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

```
.background{ background-color: rgb(211,  
206, 204) }
```

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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