

Converting Colors

CIELCh(83, 3.421, 299.625)

Have a look what the booklet for
CIELCh(83, 3.421, 299.625) contains.

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Color

CIELCh(83, 3.205, 296.910)

Conversions

Conversions Part 1

Format	Color
Hex	CFCED4
RGB	207, 206, 212
RGB Percent	81%, 81%, 83%
CMY	0.1882, 0.1921, 0.1686
CMYK	0.02, 0.03, 0.00, 0.17
HSL	250°, 7%, 82%
HSV	250°, 3%, 83%
XYZ	59.6886, 62.1629, 71.1420
YIQ	206.9830, -1.3300, 2.0780

Conversions

Conversions Part 2

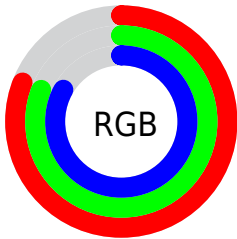
Format	Color
R_{YB}	207, 206, 212
Decimal	13618900
CIE Lab	83.00, 1.45, -2.86
CIE LCh	83, 3.205, 296.910
Yxy	62.1629, 0.3093, 0.3221
Android (android.graphics.Color)	4291808980 (0xFFCFCEd4)
YUV	206.9830, 2.4734, 0.0149
Hunter-Lab	78.8435, -2.8424, 1.6919

Details

The CIELCh color `83, 3.205, 296.910` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 3.165, 116.486`, 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, 2.833, 298.202` is the 20% darker color. If you saturate the color by 10%, you get `76, 14.774, 297.687`, and if you desaturate by 10%, it is `90, 7.931, 116.207`.

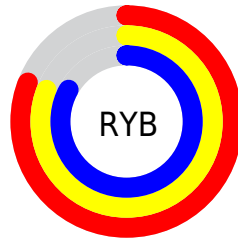
Distribution



Red (81%)

Green (81%)

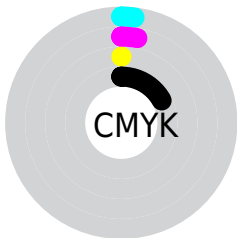
Blue (83%)



Red (81%)

Yellow (81%)

Blue (83%)

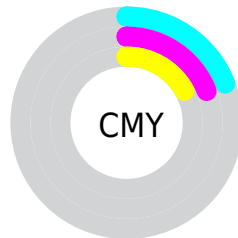


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (17%)



Cyan (19%)

Magenta (19%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 3.205, 296.910 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, 3.205, 296.910 by changing the saturation by 10% instead.

 83, 3.205, 296.910	 83, 3.205, 296.910
 100, 3.205, 296.910	 73, 3.205, 296.910
	 63, 3.205, 296.910
	 53, 3.205, 296.910
	 43, 3.205, 296.910
	 33, 3.205, 296.910
	 23, 3.205, 296.910
	 13, 3.205, 296.910
	 3, 3.205, 296.910
	 0, 3.205, 296.910

83, 3.205, 296.910

83, 3.205, 296.910

76, 14.774,
297.687

90, 7.931, 116.207

69, 26.807,
298.609

96, 18.655,
115.621

63, 39.312,
299.669

99, 21.722,
108.532

56, 52.271,
300.870

49, 65.587,
302.197

43, 78.995,
303.598

37, 91.910,
304.960

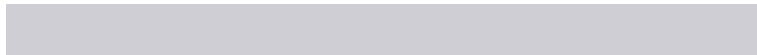
32, 103.241,
306.091

■ 29,111.440,
306.747

Harmonies

Complementary

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



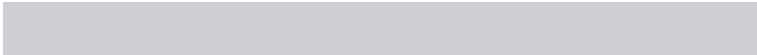
83, 3.205, 296.910



85, 3.165, 116.486

Rectangle

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



83, 3.205, 296.910



83, 3.205, 346.910



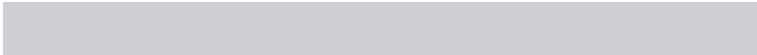
83, 3.205, 116.910



83, 3.205, 166.910

Sweetspot

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



83, 3.203, 296.892



99, 1.318, 296.760



84, 1.884, 214.157



53, 0.750, 296.757



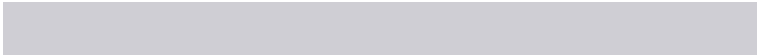
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 3.203, 296.892



98, 3.946, 296.907



83, 3.491, 314.196



44, 2.595, 296.961



21, 97.965, 307.031



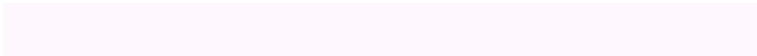
2, 27.786, 298.174

Inverse Universe

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



83, 3.445, 329.455



98, 4.244, 329.473



84, 3.463, 134.065



44, 2.789, 329.534



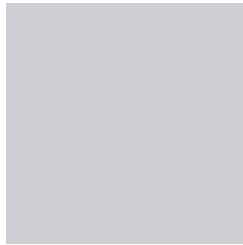
39, 75.249, 336.114



6, 29.165, 334.326

Previews

White Background



This preview shows how the CIELCh color 83, 3.205, 296.910 looks on a white background.

Color Contrast Check

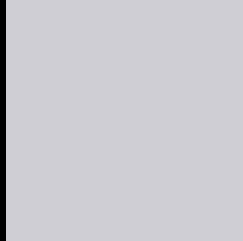
Large Text (above 18pt) WCAG AA × Fail

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, 3.205, 296.910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

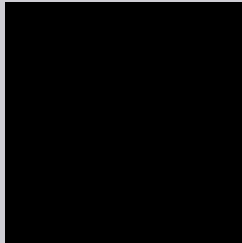
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

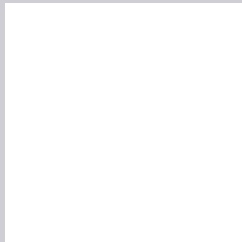
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 3.205, 296.910

Background



This preview shows how black text looks on a background with the CIELCh color 83, 3.205, 296.910.

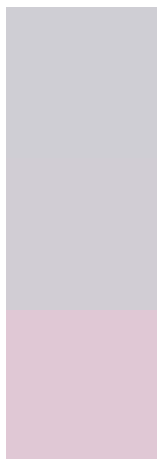


This preview shows how white text looks on a background with the CIELCh color 83, 3.205, 296.910.

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, 3.205, 296.910

Protanopia

83, 3.997, 311.624

Deuteranopia

83, 11.152, 342.302



Tritanopia
83, 8.551, 298.031

Trichromacy



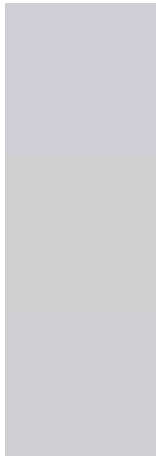
Original Color
83, 3.205, 296.910

Protanomaly
83, 3.878, 306.665

Deuteranomaly
83, 8.255, 335.256

Tritanomaly
83, 6.980, 299.563

Monochromacy



Original Color
83, 3.205, 296.910

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.065, 290.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 3.205, 296.910 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, 206, 212)` looks like.

```
.text, #text, p{  
    color:rgb(207, 206, 212)  
}
```

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, 206, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 206, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 3.205, 296.910 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, 206, 212) }
```

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

```
.border{ border-color:rgb(207, 206, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 206, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 206, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 206, 212);  
box-shadow:4px 4px 4px 4px rgb(207, 206,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 3.205, 296.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 206, 212) }
```

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

```
.background{ background-color: rgb(207,  
206, 212) }
```

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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