

Converting Colors

CIELCh(83, 1.845, 215.725)

Have a look what the booklet for
CIELCh(83, 1.845, 215.725) contains.

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Color

CIELCh(83, 1.869, 216.013)

Conversions

Conversions Part 1

Format	Color
Hex	CBD0D1
RGB	203, 208, 209
RGB Percent	80%, 82%, 82%
CMY	0.2054, 0.1857, 0.1818
CMYK	0.03, 0.00, 0.00, 0.18
HSL	190°, 6%, 81%
HSV	190°, 3%, 82%
XYZ	58.4583, 62.1629, 69.0006
YIQ	206.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

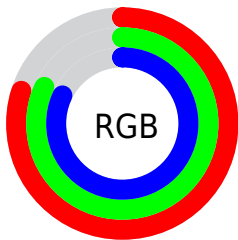
Format	Color
RYB	203, 206, 209
Decimal	13357265
CIELab	83.00, -1.51, -1.10
CIELCh	83, 1.869, 216.013
Yxy	62.1629, 0.3083, 0.3278
Android (android.graphics.Color)	4291547345 (0xFFCBD0D1)
YUV	206.6190, 1.1738, -3.1739
Hunter-Lab	78.8435, -5.6278, 3.3022

Details

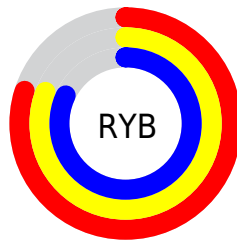
The CIELCh color **83, 1.869, 216.013** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 1.900, 35.309**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 1.971, 215.950** is the 20% darker color. If you saturate the color by 10%, you get **81, 8.160, 215.877**, and if you desaturate by 10%, it is **85, 4.723, 35.469**.

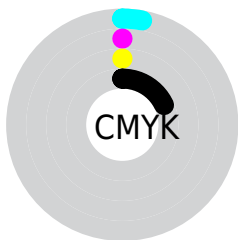
Distribution



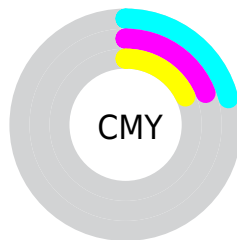
- Red (80%)
- Green (82%)
- Blue (82%)



- Red (80%)
- Yellow (81%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (21%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 1.869, 216.013 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, 1.869, 216.013 by changing the saturation by 10% instead.

■ 83, 1.869, 216.013

■ 83, 1.869, 216.013

■ 100, 1.869,
216.013

■ 73, 1.869, 216.013

■ 63, 1.869, 216.013

■ 53, 1.869, 216.013

■ 43, 1.869, 216.013

■ 33, 1.869, 216.013

■ 23, 1.869, 216.013

■ 13, 1.869, 216.013

■ 3, 1.869, 216.013

■ 0, 1.869, 216.013

83, 1.869, 216.013

83, 1.869, 216.013

81, 8.160, 215.877

85, 4.723, 35.469

78, 14.061,
216.147

88, 11.542, 35.566

76, 19.474,
216.609

90, 14.743, 39.459

91, 14.269, 47.772

74, 24.298,
217.298

92, 14.116, 56.447

72, 28.432,
218.264

92, 14.294, 65.090

93, 14.790, 73.317

71, 31.794,
219.569

94, 15.570, 80.842

69, 34.335,
221.286

95, 16.593, 87.521

68, 36.057,
223.485

■ 66, 37.032,
226.227

Harmonies

Complementary

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



83, 1.869, 216.013



82, 1.900, 35.309

Rectangle

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



83, 1.869, 216.013



83, 1.869, 266.013



83, 1.869, 36.013



83, 1.869, 86.013

Sweetspot

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



83, 1.870, 215.949



100, 0.770, 216.485



83, 3.478, 148.758



53, 0.438, 216.530



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, 1.870, 215.949



99, 2.295, 215.935



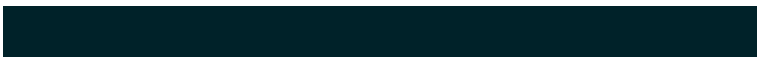
82, 2.194, 270.246



44, 1.475, 215.887



54, 31.895, 227.908



11, 12.268, 221.020

Inverse Universe

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



82, 3.456, 329.456



98, 4.244, 329.470



83, 2.180, 89.296



43, 2.734, 329.530



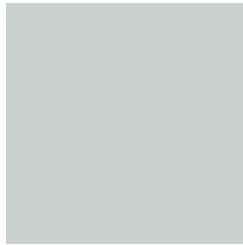
38, 74.433, 336.098



5, 27.371, 334.093

Previews

White Background



This preview shows how the CIELCh color 83, 1.869, 216.013 looks on a white background.

Color Contrast Check

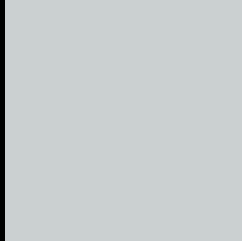
Large Text (above 18pt) WCAG AA × Fail

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, 1.869, 216.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

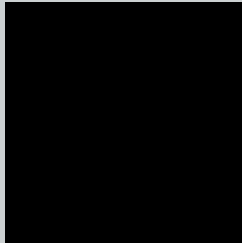
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

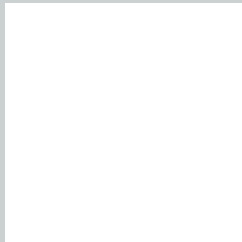
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 1.869, 216.013

Background



This preview shows how black text looks on a background with the CIELCh color 83, 1.869, 216.013.



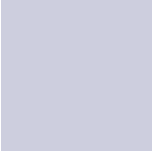
This preview shows how white text looks on a background with the CIELCh color 83, 1.869, 216.013.

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





Tritanopia
83, 8.465, 288.538

Trichromacy



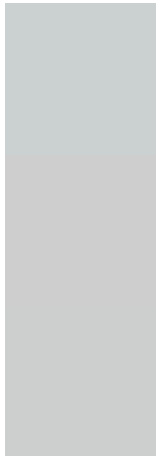
Original Color
83, 1.869, 216.013

Protanomaly
83, 0.538, 290.347

Deuteranomaly
83, 6.330, 344.115

Tritanomaly
83, 5.377, 279.240

Monochromacy



Original Color
83, 1.869, 216.013

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 0.723, 200.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 1.869, 216.013 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(203, 208, 209)` looks like.

```
.text, #text, p{  
    color:rgb(203, 208, 209)  
}
```

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(203, 208, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 208, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 1.869, 216.013 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(203, 208, 209) }
```

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

```
.border{ border-color:rgb(203, 208, 209) }
```

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

Here you see how a box with a 4 pixel rgb(203, 208, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 208, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 208, 209);  
box-shadow:4px 4px 4px 4px rgb(203, 208,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 1.869, 216.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 208, 209) }
```

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

```
.background{ background-color: rgb(203,  
208, 209) }
```

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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