

Converting Colors

CIELCh(83, 3.653, 199.292)

Have a look what the booklet for
CIELCh(83, 3.653, 199.292) contains.

CIELCh(83, 3.583, 199.301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 3.583, 199.301)

Conversions

Conversions Part 1

Format	Color
Hex	C7D1D1
RGB	199, 209, 209
RGB Percent	78%, 82%, 82%
CMY	0.2207, 0.1814, 0.1815
CMYK	0.05, 0.00, 0.00, 0.18
HSL	180°, 10%, 80%
HSV	180°, 5%, 82%
XYZ	57.6905, 62.1629, 69.1035
YIQ	206.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

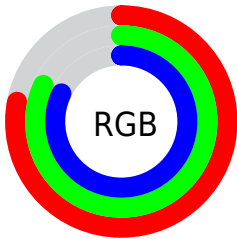
Format	Color
R _Y B	199, 204, 209
Decimal	13095377
CIE Lab	83.00, -3.38, -1.18
CIE LCh	83, 3.583, 199.301
Yxy	62.1629, 0.3053, 0.3290
Android (android.graphics.Color)	4291285457 (0xFFC7D1D1)
YUV	206.0100, 1.4741, -6.1478
Hunter-Lab	78.8435, -7.3661, 3.2248

Details

The CIELCh color **83, 3.583, 199.301** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 3.693, 19.515**, 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, 3.774, 199.180** is the 20% darker color. If you saturate the color by 10%, you get **82, 10.785, 198.640**, and if you desaturate by 10%, it is **85, 3.979, 19.532**.

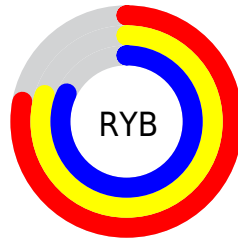
Distribution



Red (78%)

Green (82%)

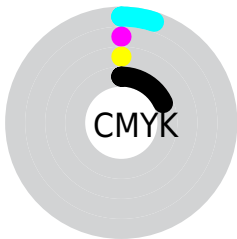
Blue (82%)



Red (78%)

Yellow (80%)

Blue (82%)

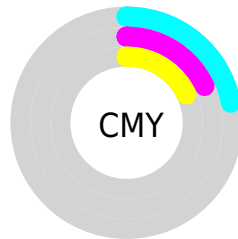


Cyan (5%)

Magenta (0%)

Yellow (0%)

Black (18%)



Cyan (22%)

Magenta (18%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 3.583, 199.301 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, 3.583, 199.301 by changing the saturation by 10% instead.

■ 83, 3.583, 199.301

■ 83, 3.583, 199.301

■ 100, 3.583,
199.301

■ 73, 3.583, 199.301

■ 63, 3.583, 199.301

■ 53, 3.583, 199.301

■ 43, 3.583, 199.301

■ 33, 3.583, 199.301

■ 23, 3.583, 199.301

■ 13, 3.583, 199.301

■ 3, 3.583, 199.301

■ 0, 3.583, 199.301

83, 3.583, 199.301

83, 3.583, 199.301

82, 10.785,
198.640

85, 3.979, 19.532

80, 17.507,
198.135

86, 11.803, 20.215

79, 23.631,
197.693

88, 17.353, 20.648

78, 29.036,
197.310

88, 17.353, 20.636

78, 33.616,
196.992

88, 17.352, 20.625

77, 37.293,
196.738

88, 17.352, 20.613

77, 40.030,
196.551

88, 17.352, 20.602

76, 41.841,
196.427

88, 17.352, 20.590

88, 17.351, 20.579

■ 76, 42.808,
196.358

Harmonies

Complementary

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



83, 3.583, 199.301



81, 3.693, 19.515

Rectangle

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



83, 3.583, 199.301



83, 3.583, 249.301



83, 3.583, 19.301



83, 3.583, 69.301

Sweetspot

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



83, 3.584, 199.273



100, 0.886, 200.070



83, 6.417, 143.775



53, 0.504, 200.112



0, 0.000, 0.000



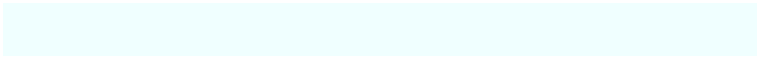
53, 0.007, 296.813

Same Dimension

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



83, 3.584, 199.273



99, 5.264, 199.170



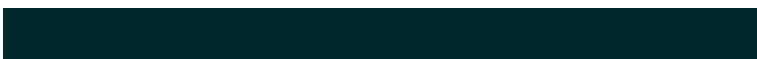
82, 3.141, 254.304



44, 2.963, 199.132



62, 36.721, 196.337



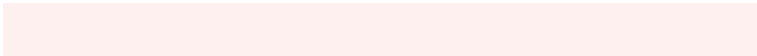
14, 14.041, 196.347

Inverse Universe

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



81, 3.693, 19.515



96, 5.468, 19.630



82, 3.168, 72.900



42, 3.087, 19.674



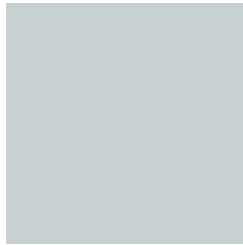
35, 76.442, 39.851



4, 20.018, 19.452

Previews

White Background



This preview shows how the CIELCh color 83, 3.583, 199.301 looks on a white background.

Color Contrast Check

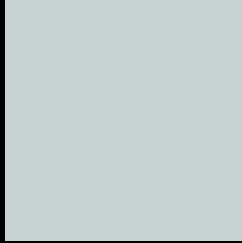
Large Text (above 18pt) WCAG AA × Fail

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, 3.583, 199.301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

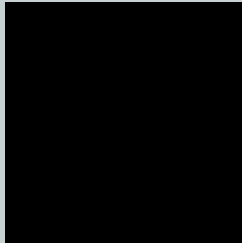
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

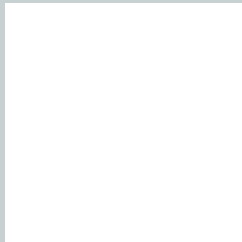
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 3.583, 199.301

Background



This preview shows how black text looks on a background with the CIELCh color 83, 3.583, 199.301.



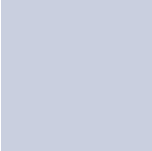
This preview shows how white text looks on a background with the CIELCh color 83, 3.583, 199.301.

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, 8.674, 276.947

Trichromacy



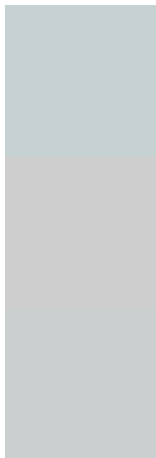
Original Color
83, 3.583, 199.301

Protanomaly
83, 1.066, 290.332

Deuteranomaly
83, 5.754, 339.774

Tritanomaly
83, 5.942, 262.336

Monochromacy



Original Color
83, 3.583, 199.301

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.444, 199.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 3.583, 199.301 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(199, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(199, 209, 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(199, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 209, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 3.583, 199.301 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(199, 209, 209) }
```

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

```
.border{ border-color:rgb(199, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 209, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 209, 209); box-shadow:4px 4px 4px 4px rgb(199, 209, 209) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 3.583, 199.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 209, 209) }
```

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

```
.background{ background-color: rgb(199,  
209, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor