

# Converting Colors

CIELCh(83, 3.762, 182.976)

Have a look what the booklet for  
CIELCh(83, 3.762, 182.976) contains.

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# Color

**CIELCh(83, 3.763, 182.969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7D1CF
RGB	199, 209, 207
RGB Percent	78%, 82%, 81%
CMY	0.2201, 0.1809, 0.1887
CMYK	0.05, 0.00, 0.01, 0.18
HSL	168°, 10%, 80%
HSV	168°, 5%, 82%
XYZ	57.5368, 62.1629, 67.9170
YIQ	205.7820, -5.3180, -2.7420

# Conversions

## Conversions Part 2

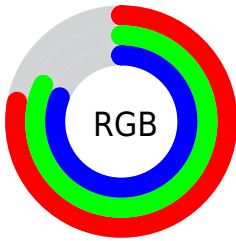
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 205, 209
Decimal	13095375
CIE <sub>Lab</sub>	83.00, -3.76, -0.19
CIE <sub>LCh</sub>	83, 3.763, 182.969
Yxy	62.1629, 0.3067, 0.3313
Android (android.graphics.Color)	4291285455 (0xFFC7D1CF)
YUV	205.7820, 0.6005, -5.9478
Hunter-Lab	78.8435, -7.7141, 4.1171

# Details

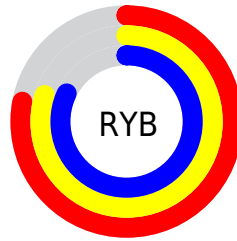
The CIELCh color **83, 3.763, 182.969** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 3.841, 3.527**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **63, 3.972, 182.799** is the 20% darker color. If you saturate the color by 10%, you get **81, 11.481, 181.946**, and if you desaturate by 10%, it is **85, 4.143, 3.549**.

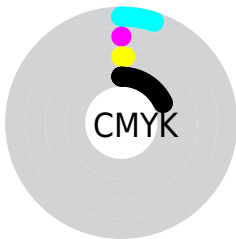
# Distribution



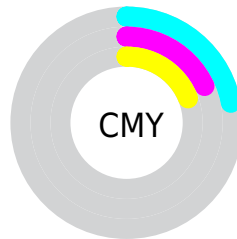
- Red (78%)
- Green (82%)
- Blue (81%)



- Red (78%)
- Yellow (80%)
- Blue (82%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



- Cyan (22%)
- Magenta (18%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 3.763, 182.969 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, 3.763, 182.969 by changing the saturation by 10% instead.



■ 83, 3.763, 182.969

■ 83, 3.763, 182.969

■ 100, 3.763,  
182.969

■ 73, 3.763, 182.969

■ 63, 3.763, 182.969

■ 53, 3.763, 182.969

■ 43, 3.763, 182.969

■ 33, 3.763, 182.969

■ 23, 3.763, 182.969

■ 13, 3.763, 182.969

■ 3, 3.763, 182.969

■ 0, 3.763, 182.969

83, 3.763, 182.969

83, 3.763, 182.969

81, 11.481,  
181.946

85, 4.143, 3.549

80, 18.895,  
180.973

87, 12.148, 4.467

79, 25.882,  
179.950

88, 17.823, 2.914

78, 32.308,  
178.858

88, 18.498,  
356.440

77, 38.045,  
177.675

88, 19.403,  
350.511

76, 42.985,  
176.380

88, 20.507,  
345.183

76, 47.054,  
174.949

88, 21.778,  
340.459

75, 50.237,  
173.361

89, 23.188,  
336.304

89, 24.714,

■ 75, 52.592,  
171.601

332.665

# Harmonies

# Complementary

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



83, 3.763, 182.969



81, 3.841, 3.527

# Rectangle

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



83, 3.763, 182.969



83, 3.763, 232.969



83, 3.763, 2.969



83, 3.763, 52.969

# Sweetspot

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



83, 3.765, 182.948



100, 0.924, 183.803



83, 6.028, 138.135



53, 0.525, 183.842



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, 3.765, 182.948



99, 5.540, 182.805



82, 2.955, 229.978



44, 3.120, 182.750



62, 45.480, 170.958



14, 16.567, 175.059



# Inverse Universe

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



81, 3.841, 3.527



96, 5.677, 3.677



82, 3.027, 49.042



42, 3.203, 3.735



35, 67.824, 29.018

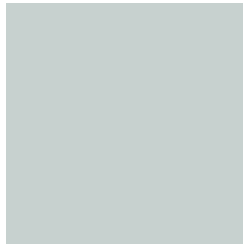


4, 20.213, 10.197



# Previews

## White Background



This preview shows how the CIELCh color 83, 3.763, 182.969 looks on a white background.

## Color Contrast Check

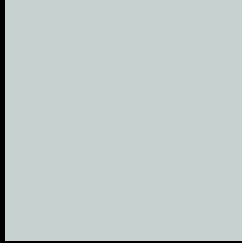
Large Text (above 18pt) WCAG AA × Fail

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, 3.763, 182.969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

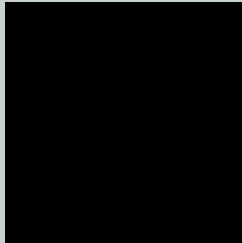
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

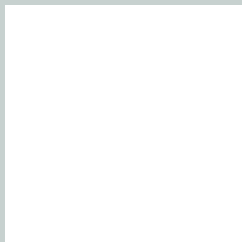
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 83, 3.763, 182.969

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 3.763, 182.969.

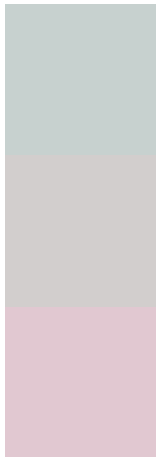


This preview shows how white text looks on a background with the CIELCh color 83, 3.763, 182.969.

# 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

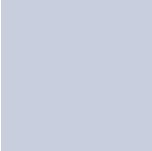


**Original Color**  
83, 3.763, 182.969

**Protanopia**  
83, 1.546, 39.064

**Deuteranopia**  
83, 10.356, 352.940





**Tritanopia**  
83, 9.129, 279.946

# Trichromacy



**Original Color**  
83, 3.763, 182.969

**Protanomaly**  
83, 0.636, 144.831

**Deuteranomaly**  
83, 5.458, 350.827

**Tritanomaly**  
83, 5.796, 265.421

# Monochromacy



**Original Color**  
83, 3.763, 182.969

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 1.544, 179.672

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 3.763, 182.969 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(199, 209, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 209, 207) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 3.763, 182.969 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, 207) }
```

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

```
.border{ border-color:rgb(199, 209, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(199, 209,  
207) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 3.763, 182.969 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, 207) }
```

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

```
.background{ background-color: rgb(199,  
209, 207) }
```

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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