

Converting Colors

CIELCh(83, 5.575, 90.200)

Have a look what the booklet for
CIELCh(83, 5.575, 90.200) contains.

CIELCh(83, 5.570, 90.204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(83, 5.570, 90.204)

Conversions

Conversions Part 1

Format	Color
Hex	D3CEC4
RGB	211, 206, 196
RGB Percent	83%, 81%, 77%
CMY	0.1715, 0.1911, 0.2303
CMYK	0.00, 0.02, 0.07, 0.17
HSL	40°, 15%, 80%
HSV	40°, 7%, 83%
XYZ	59.0758, 62.1629, 61.2727
YIQ	206.3550, 6.1900, -2.0500

Conversions

Conversions Part 2

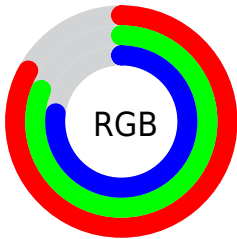
Format	Color
RYB	204, 211, 196
Decimal	13881028
CIELab	83.00, -0.02, 5.57
CIElCh	83, 5.570, 90.204
Yxy	62.1629, 0.3237, 0.3406
Android (android.graphics.Color)	4292071108 (0xFFD3CEC4)
YUV	206.3550, -5.1050, 4.0737
Hunter-Lab	78.8435, -4.2298, 9.1136

Details

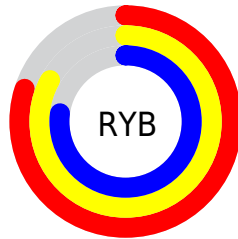
The CIELCh color **83, 5.570, 90.204** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 5.578, 272.099**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.003, 110.026**, and **63, 5.782, 93.660** is the 20% darker color. If you saturate the color by 10%, you get **81, 13.574, 88.980**, and if you desaturate by 10%, it is **85, 2.263, 271.607**.

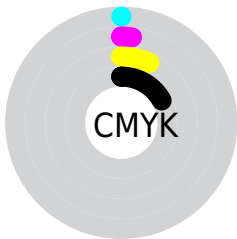
Distribution



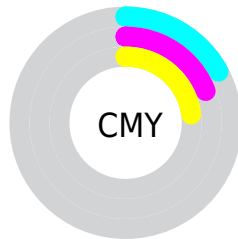
- Red (83%)
- Green (81%)
- Blue (77%)



- Red (80%)
- Yellow (83%)
- Blue (77%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (17%)



- Cyan (17%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 5.570, 90.204 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, 5.570, 90.204 by changing the saturation by 10% instead.



83, 5.570, 90.204	83, 5.570, 90.204
81, 13.574, 88.980	85, 2.263, 271.607
78, 21.737, 87.672	88, 9.933, 272.698
76, 30.034, 86.321	90, 15.184, 270.670
74, 38.396, 84.929	
72, 46.688, 83.488	92, 12.969, 254.540
70, 54.646, 81.972	94, 12.083, 234.302
68, 61.806, 80.321	
66, 67.449, 78.417	95, 12.772, 213.897
65, 70.822, 76.088	97, 14.596, 198.533

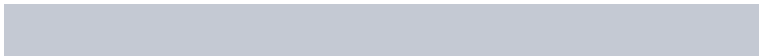
Harmonies

Complementary

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



83, 5.570, 90.204



81, 5.578, 272.099

Rectangle

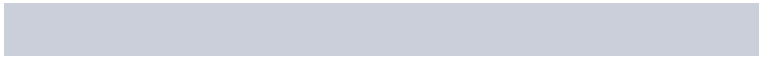
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 5.570, 90.204



83, 5.570, 140.204



83, 5.570, 270.204



83, 5.570, 320.204

Sweetspot

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



83, 5.571, 90.225



99, 1.810, 90.739



81, 6.152, 354.272



53, 1.029, 90.743



0, 0.000, 0.000



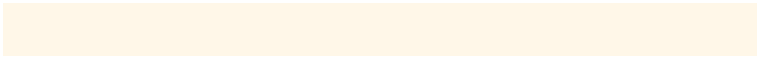
53, 0.007, 296.813

Same Dimension

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



83, 5.571, 90.225



98, 8.246, 89.985



84, 7.935, 116.198



43, 4.427, 89.947



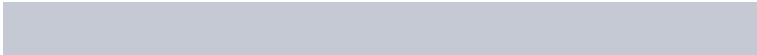
52, 60.472, 75.882



11, 16.793, 78.668

Inverse Universe

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



81, 5.578, 272.099



95, 8.246, 272.363



80, 8.069, 297.234



41, 4.426, 272.405



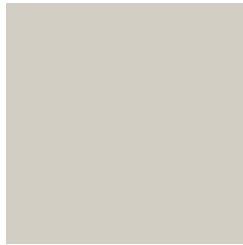
29, 71.165, 296.358



4, 19.709, 283.137

Previews

White Background



This preview shows how the CIELCh color 83, 5.570, 90.204 looks on a white background.

Color Contrast Check

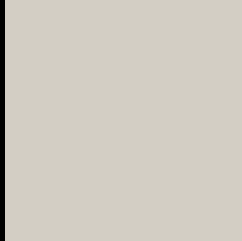
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 83, 5.570, 90.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

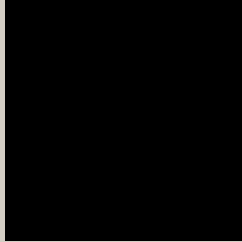
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

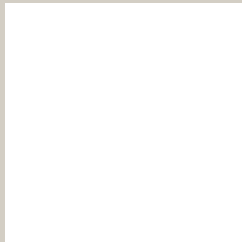
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 5.570, 90.204

Background



This preview shows how black text looks on a background with the CIELCh color 83, 5.570, 90.204.

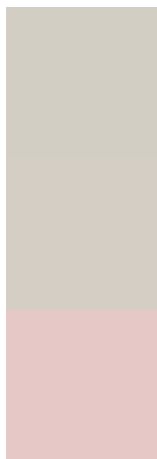


This preview shows how white text looks on a background with the CIELCh color 83, 5.570, 90.204.

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

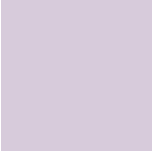
83, 5.570, 90.204

Protanopia

83, 5.858, 83.273

Deuteranopia

83, 11.333, 25.522



Tritanopia
83, 9.540, 317.584

Trichromacy



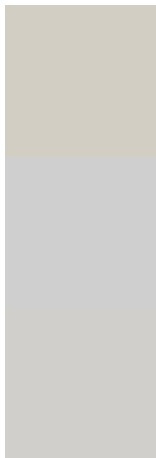
Original Color
83, 5.570, 90.204

Protanomaly
83, 5.704, 86.653

Deuteranomaly
83, 8.298, 38.353

Tritanomaly
83, 5.214, 334.533

Monochromacy



Original Color
83, 5.570, 90.204

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 2.217, 90.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 5.570, 90.204 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(211, 206, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 206, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 5.570, 90.204 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, 196) }
```

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

```
.border{ border-color:rgb(211, 206, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 206, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 206, 196);  
box-shadow:4px 4px 4px 4px rgb(211, 206,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 5.570, 90.204 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, 196) }
```

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

```
.background{ background-color: rgb(211,  
206, 196) }
```

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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