

Converting Colors

CIELCh(83, 7.866, 89.573)

Have a look what the booklet for
CIELCh(83, 7.866, 89.573) contains.

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Color

CIELCh(83, 7.811, 89.870)

Conversions

Conversions Part 1

Format	Color
Hex	D5CEC0
RGB	213, 206, 192
RGB Percent	84%, 81%, 75%
CMY	0.1643, 0.1917, 0.2467
CMYK	0.00, 0.03, 0.10, 0.16
HSL	40°, 20%, 79%
HSV	40°, 10%, 84%
XYZ	59.0914, 62.1629, 58.8116
YIQ	206.4970, 8.6660, -2.8700

Conversions

Conversions Part 2

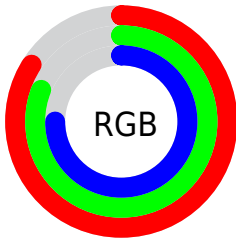
Format	Color
R _Y B	203, 213, 192
Decimal	14012096
CIE Lab	83.00, 0.02, 7.81
CIE LCh	83, 7.811, 89.870
Yxy	62.1629, 0.3282, 0.3452
Android (android.graphics.Color)	4292202176 (0xFFD5CEC0)
YUV	206.4970, -7.1470, 5.7031
Hunter-Lab	78.8435, -4.1944, 10.9644

Details

The CIELCh color **83, 7.811, 89.870** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80, 7.809, 272.462**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 3.539, 109.892**, and **63, 7.617, 91.025** is the 20% darker color. If you saturate the color by 10%, you get **81, 15.916, 88.617**, and if you desaturate by 10%, it is **85, 0.123, 273.212**.

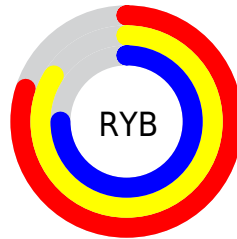
Distribution



Red (84%)

Green (81%)

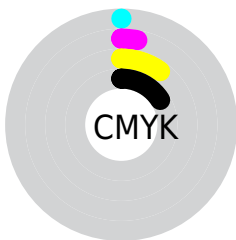
Blue (75%)



Red (80%)

Yellow (84%)

Blue (75%)

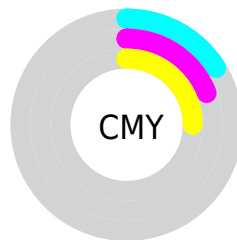


Cyan (0%)

Magenta (3%)

Yellow (10%)

Black (16%)



Cyan (16%)

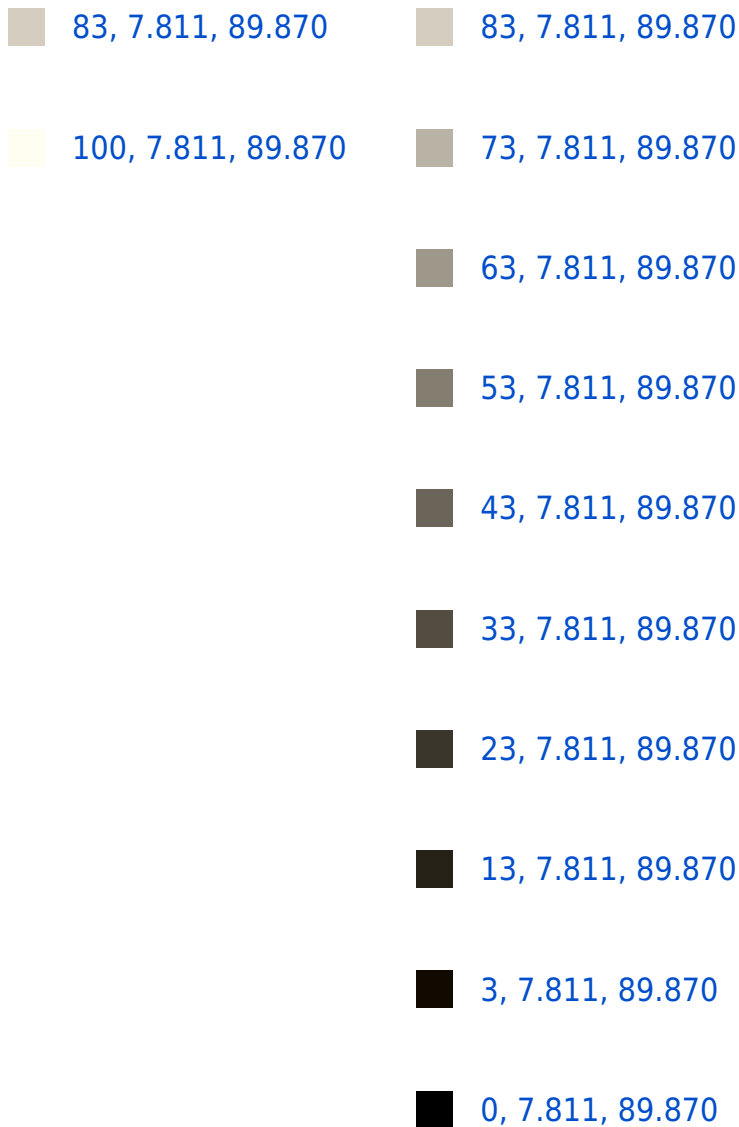
Magenta (19%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 7.811, 89.870 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, 7.811, 89.870 by changing the saturation by 10% instead.



83, 7.811, 89.870

83, 7.811, 89.870

81, 15.916, 88.617

85, 0.123, 273.212

78, 24.178, 87.296

88, 7.891, 272.381

76, 32.560, 85.934

90, 14.994,
272.800

74, 40.979, 84.528

92, 12.623,
256.552

72, 49.269, 83.069

70, 57.116, 81.522

94, 11.606,
235.567

68, 63.983, 79.815

96, 12.251,
214.085

66, 69.085, 77.808

65, 72.030, 75.397

97, 14.017,
198.571

Harmonies

Complementary

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



83, 7.811, 89.870



80, 7.809, 272.462

Rectangle

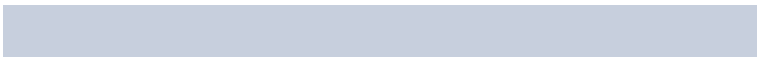
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 7.811, 89.870



83, 7.811, 139.870



83, 7.811, 269.870



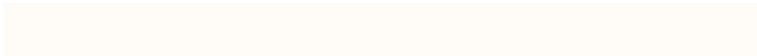
83, 7.811, 319.870

Sweetspot

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



83, 7.812, 89.886



99, 2.724, 90.663



80, 8.642, 354.566



53, 2.068, 90.585



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, 7.812, 89.886



97, 11.033, 89.604



85, 11.088, 115.999



44, 4.515, 89.939



53, 61.145, 75.840



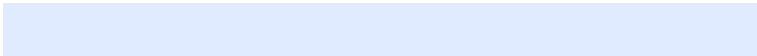
12, 18.159, 78.637

Inverse Universe

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



80, 7.809, 272.462



93, 11.017, 272.781



79, 11.334, 297.455



42, 4.515, 272.403



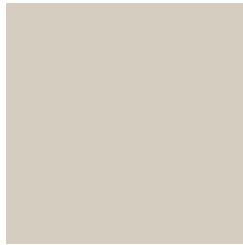
29, 72.040, 296.397



5, 21.187, 284.256

Previews

White Background



This preview shows how the CIELCh color 83, 7.811, 89.870 looks on a white background.

Color Contrast Check

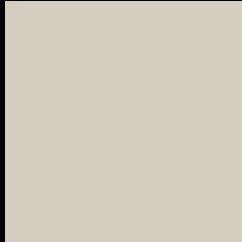
Large Text (above 18pt) WCAG AA × Fail

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, 7.811, 89.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

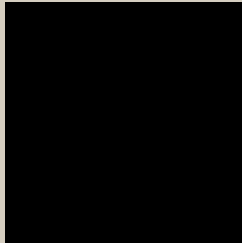
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

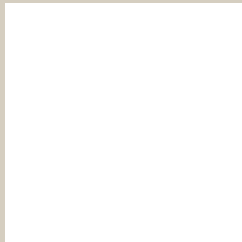
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 7.811, 89.870

Background



This preview shows how black text looks on a background with the CIELCh color 83, 7.811, 89.870.

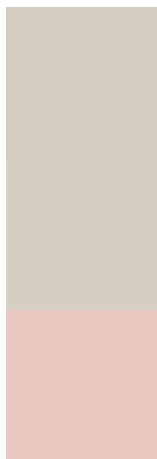


This preview shows how white text looks on a background with the CIELCh color 83, 7.811, 89.870.

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, 7.811, 89.870

Protanopia

83, 7.945, 87.300

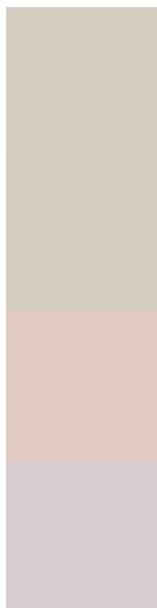
Deuteranopia

83, 12.725, 36.988



Tritanopia
83, 10.084, 323.103

Trichromacy



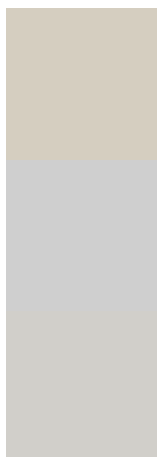
Original Color
83, 7.811, 89.870

Protanomaly
83, 7.945, 87.300

Deuteranomaly
83, 9.912, 48.394

Tritanomaly
83, 5.731, 346.212

Monochromacy



Original Color
83, 7.811, 89.870

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 2.720, 94.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 7.811, 89.870 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(213, 206, 192)` looks like.

```
.text, #text, p{  
    color:rgb(213, 206, 192)  
}
```

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(213, 206, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 206, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 7.811, 89.870 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(213, 206, 192) }
```

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

```
.border{ border-color:rgb(213, 206, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 206, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 206, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 206, 192);  
box-shadow:4px 4px 4px 4px rgb(213, 206,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 7.811, 89.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 206, 192) }
```

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

```
.background{ background-color: rgb(213,  
206, 192) }
```

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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