

Converting Colors

CIELCh(83, 28.670, 98.003)

Have a look what the booklet for
CIELCh(83, 28.670, 98.003) contains.

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Color

CIELCh(83, 28.670, 98.003)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DBC9F9 |
| RGB | 219, 207, 153 |
| RGB Percent | 86%, 81%, 60% |
| CMY | 0.1401, 0.1872, 0.3990 |
| CMYK | 0.00, 0.05, 0.30, 0.14 |
| HSL | 49°, 48%, 73% |
| HSV | 49°, 30%, 86% |
| XYZ | 57.4415, 62.1629, 39.2170 |
| YIQ | 204.4320, 24.4860, -14.2500 |

Conversions

Conversions Part 2

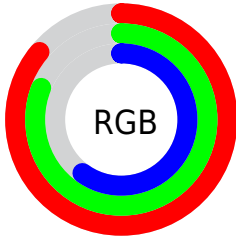
| Format | Color |
|-------------------------------------|---|
| RYB | 168, 219, 153 |
| Decimal | 14405529 |
| CIELab | 83.00, -3.99, 28.39 |
| CIElCh | 83, 28.670, 98.003 |
| Yxy | 62.1629, 0.3617, 0.3914 |
| Android (android.graphics.Color) | 4292595609 (0xFFDBC99) |
| YUV | 204.4320, -25.3560, 12.7761 |
| Hunter-Lab | 78.8435, -7.9298, 25.6994 |

Details

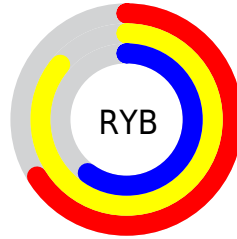
The CIELCh color **83, 28.670, 98.003** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 29.833, 285.691**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **63, 28.978, 98.396** is the 20% darker color. If you saturate the color by 10%, you get **82, 38.142, 96.809**, and if you desaturate by 10%, it is **84, 19.124, 99.185**.

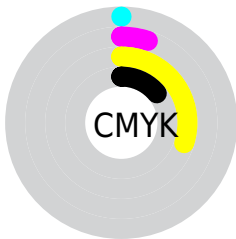
Distribution



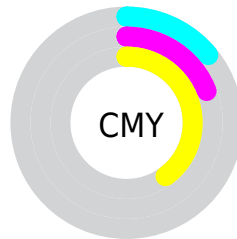
- Red (86%)
- Green (81%)
- Blue (60%)



- Red (66%)
- Yellow (86%)
- Blue (60%)



- Cyan (0%)
- Magenta (5%)
- Yellow (30%)
- Black (14%)



- Cyan (14%)
- Magenta (19%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 28.670, 98.003 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, 28.670, 98.003 by changing the saturation by 10% instead.

 83, 28.670, 98.003

 83, 28.670, 98.003

 100, 28.670,
98.003

 73, 28.670, 98.003

 63, 28.670, 98.003

 53, 28.670, 98.003

 43, 28.670, 98.003

 33, 28.670, 98.003

 23, 28.670, 98.003

 13, 28.670, 98.003

 3, 28.670, 98.003

 0, 28.670, 98.003

83, 28.670, 98.003

83, 28.670, 98.003

82, 38.142, 96.809

84, 19.124, 99.185

80, 47.392, 95.599

86, 9.582, 100.329

79, 56.174, 94.383

87, 0.092, 99.741

78, 64.090, 93.162

89, 9.323, 282.558

77, 70.548, 91.923

90, 14.623,
280.853

76, 74.846, 90.632

91, 12.878,
273.052

75, 76.822, 89.263

93, 11.439,
263.123

94, 10.426,
250.893

95, 9.964, 236.886

Harmonies

Complementary

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



83, 28.670, 98.003



69, 29.833, 285.691

Rectangle

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



83, 28.670, 98.003



83, 28.670, 148.003



83, 28.670, 278.003



83, 28.670, 328.003

Sweetspot

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



83, 28.671, 98.008



98, 9.639, 100.444



70, 26.649, 7.877



52, 6.703, 100.280



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, 28.671, 98.008



94, 38.731, 97.267



85, 35.149, 120.719



45, 5.381, 100.405



60, 64.571, 89.508



15, 22.154, 92.495

Inverse Universe

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



69, 29.833, 285.691



75, 40.734, 286.833



67, 37.294, 304.416



43, 5.450, 282.605



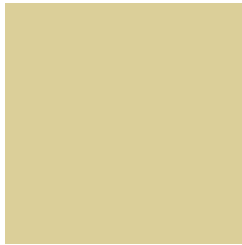
24, 88.990, 302.895



3, 25.910, 290.629

Previews

White Background



This preview shows how the CIELCh color 83, 28.670, 98.003 looks on a white background.

Color Contrast Check

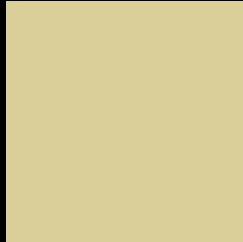
Large Text (above 18pt) WCAG AA × Fail

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, 28.670, 98.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

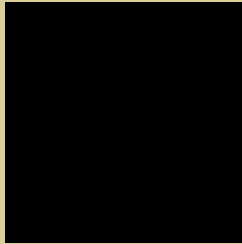
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

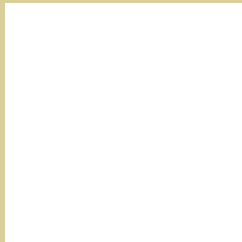
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 28.670, 98.003

Background



This preview shows how black text looks on a background with the CIELCh color 83, 28.670, 98.003.

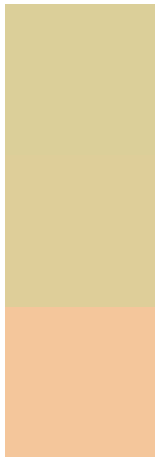


This preview shows how white text looks on a background with the CIELCh color 83, 28.670, 98.003.

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, 28.670, 98.003

Protanopia

83, 28.519, 94.670

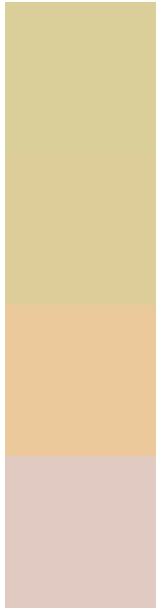
Deuteranopia

83, 29.683, 69.095



Tritanopia
83, 13.267, 340.938

Trichromacy



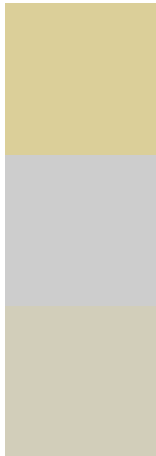
Original Color
83, 28.670, 98.003

Protanomaly
83, 28.427, 95.464

Deuteranomaly
83, 28.473, 79.023

Tritanomaly
83, 9.575, 49.476

Monochromacy



Original Color
83, 28.670, 98.003

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 10.633, 101.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 28.670, 98.003 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(219, 207, 153)` looks like.

```
.text, #text, p{  
    color:rgb(219, 207, 153)  
}
```

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(219, 207, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 207, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 28.670, 98.003 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(219, 207, 153) }
```

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

```
.border{ border-color:rgb(219, 207, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 207, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 207, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 207, 153);  
box-shadow:4px 4px 4px 4px rgb(219, 207,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 28.670, 98.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 207, 153) }
```

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

```
.background{ background-color: rgb(219,  
207, 153) }
```

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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