

Converting Colors

CIELCh(83, 19.742, 98.212)

Have a look what the booklet for
CIELCh(83, 19.742, 98.212) contains.

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Color

CIELCh(83, 19.740, 98.207)

Conversions

Conversions Part 1

Format	Color
Hex	D8CFAA
RGB	216, 207, 170
RGB Percent	85%, 81%, 67%
CMY	0.1527, 0.1880, 0.3331
CMYK	0.00, 0.04, 0.21, 0.15
HSL	48°, 37%, 76%
HSV	48°, 21%, 85%
XYZ	57.9212, 62.1629, 47.0013
YIQ	205.4730, 17.2410, -9.5990

Conversions

Conversions Part 2

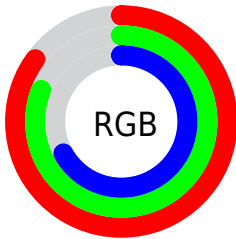
Format	Color
RYB	181, 216, 170
Decimal	14208938
CIELab	83.00, -2.82, 19.54
CIElCh	83, 19.740, 98.207
Yxy	62.1629, 0.3467, 0.3720
Android (android.graphics.Color)	4292399018 (0xFFD8CFAA)
YUV	205.4730, -17.4882, 9.2322
Hunter-Lab	78.8435, -6.8436, 19.8456

Details

The CIELCh color **83, 19.740, 98.207** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 20.228, 283.468**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 15.178, 109.030**, and **63, 19.693, 98.220** is the 20% darker color. If you saturate the color by 10%, you get **82, 29.063, 97.018**, and if you desaturate by 10%, it is **85, 10.432, 99.375**.

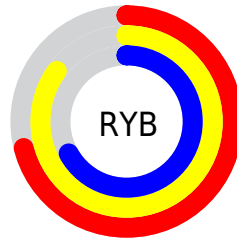
Distribution



Red (85%)

Green (81%)

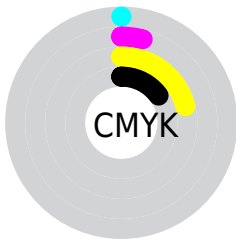
Blue (67%)



Red (71%)

Yellow (85%)

Blue (67%)

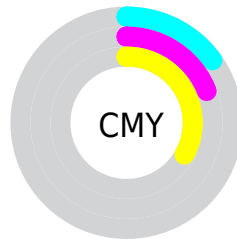


Cyan (0%)

Magenta (4%)

Yellow (21%)

Black (15%)



Cyan (15%)

Magenta (19%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 19.740, 98.207 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, 19.740, 98.207 by changing the saturation by 10% instead.

 83, 19.740, 98.207

 83, 19.740, 98.207

 100, 19.740,
98.207

 73, 19.740, 98.207

 63, 19.740, 98.207

 53, 19.740, 98.207

 43, 19.740, 98.207

 33, 19.740, 98.207

 23, 19.740, 98.207

 13, 19.740, 98.207

 3, 19.740, 98.207

 0, 19.740, 98.207

83, 19.740, 98.207

83, 19.740, 98.207

82, 29.063, 97.018

85, 10.432, 99.375

80, 38.313, 95.799

86, 1.180, 100.386

79, 47.345, 94.565

88, 7.992, 281.639

77, 55.908, 93.319

89, 16.316,
282.174

76, 63.592, 92.058

91, 14.406,
274.940

75, 69.793, 90.762

92, 12.788,
265.758

74, 73.805, 89.382

73, 75.486, 88.083

93, 11.580,
254.377

94, 10.910,
241.076

95, 10.871,

Harmonies

Complementary

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



83, 19.740, 98.207



73, 20.228, 283.468

Rectangle

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



83, 19.740, 98.207



83, 19.740, 148.207



83, 19.740, 278.207



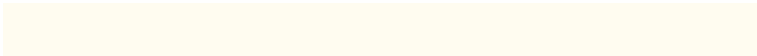
83, 19.740, 328.207

Sweetspot

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



83, 19.741, 98.213



99, 6.323, 99.960



74, 18.311, 5.425



53, 4.196, 99.888



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, 19.741, 98.213



95, 27.607, 97.625



84, 24.585, 120.571



44, 5.202, 99.588



59, 63.458, 88.354



14, 20.482, 91.667

Inverse Universe

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



73, 20.228, 283.468



82, 28.470, 284.261



72, 25.623, 303.172



42, 5.264, 281.809



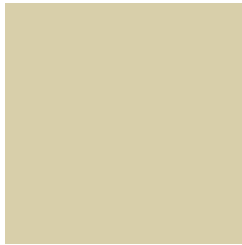
24, 86.681, 302.435



3, 23.884, 289.161

Previews

White Background



This preview shows how the CIELCh color 83, 19.740, 98.207 looks on a white background.

Color Contrast Check

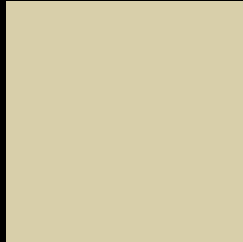
Large Text (above 18pt) WCAG AA × Fail

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, 19.740, 98.207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

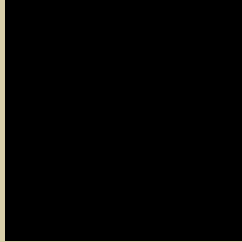
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

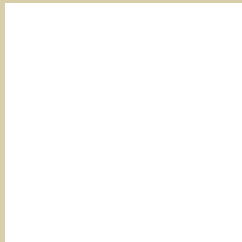
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 19.740, 98.207

Background



This preview shows how black text looks on a background with the CIELCh color 83, 19.740, 98.207.



This preview shows how white text looks on a background with the CIELCh color 83, 19.740, 98.207.

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, 19.740, 98.207

Protanopia

83, 19.594, 93.452

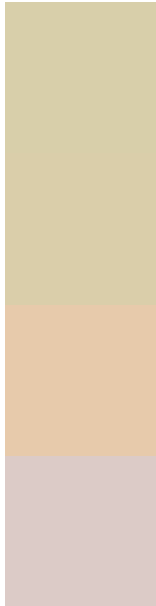
Deuteranopia

83, 21.439, 61.379



Tritanopia
83, 11.025, 334.321

Trichromacy



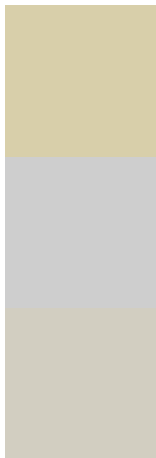
Original Color
83, 19.740, 98.207

Protanomaly
83, 19.494, 94.571

Deuteranomaly
83, 20.019, 73.908

Tritanomaly
83, 6.668, 38.156

Monochromacy



Original Color
83, 19.740, 98.207

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 6.997, 97.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 19.740, 98.207 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(216, 207, 170)` looks like.

```
.text, #text, p{  
    color:rgb(216, 207, 170)  
}
```

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(216, 207, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 207, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 19.740, 98.207 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(216, 207, 170) }
```

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

```
.border{ border-color:rgb(216, 207, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 207, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 207, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 207, 170);  
box-shadow:4px 4px 4px 4px rgb(216, 207,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 19.740, 98.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 207, 170) }
```

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

```
.background{ background-color: rgb(216,  
207, 170) }
```

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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