

Converting Colors

CIELCh(83, 17.837, 100.233)

Have a look what the booklet for
CIELCh(83, 17.837, 100.233)
contains.

CIELCh(83, 17.543, 99.755)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(83, 17.543, 99.755)

Conversions

Conversions Part 1

Format	Color
Hex	D6CFAE
RGB	214, 207, 174
RGB Percent	84%, 81%, 68%
CMY	0.1597, 0.1871, 0.3166
CMYK	0.00, 0.03, 0.19, 0.16
HSL	50°, 33%, 76%
HSV	50°, 19%, 84%
XYZ	57.8579, 62.1629, 49.1302
YIQ	205.3310, 14.7650, -8.7790

Conversions

Conversions Part 2

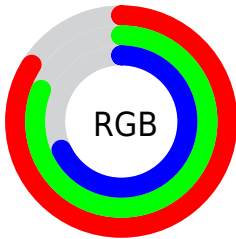
Format	Color
RYB	182, 214, 174
Decimal	14077870
CIELab	83.00, -2.97, 17.29
CIELCh	83, 17.543, 99.755
Yxy	62.1629, 0.3420, 0.3675
Android (android.graphics.Color)	4292267950 (0xFFD6CFAE)
YUV	205.3310, -15.4462, 7.6027
Hunter-Lab	78.8435, -6.9870, 18.2447

Details

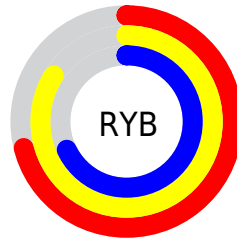
The CIELCh color **83, 17.543, 99.755** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **74, 17.973, 284.235**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **63, 17.382, 100.032** is the 20% darker color. If you saturate the color by 10%, you get **82, 26.975, 98.598**, and if you desaturate by 10%, it is **84, 8.122, 100.891**.

Distribution



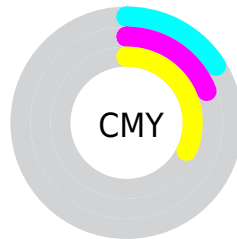
- Red (84%)
- Green (81%)
- Blue (68%)



- Red (71%)
- Yellow (84%)
- Blue (68%)



- Cyan (0%)
- Magenta (3%)
- Yellow (19%)
- Black (16%)



- Cyan (16%)
- Magenta (19%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 17.543, 99.755 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, 17.543, 99.755 by changing the saturation by 10% instead.

 83, 17.543, 99.755

 83, 17.543, 99.755

 100, 17.543,
99.755

 73, 17.543, 99.755

 63, 17.543, 99.755

 53, 17.543, 99.755

 43, 17.543, 99.755

 33, 17.543, 99.755

 23, 17.543, 99.755

 13, 17.543, 99.755

 3, 17.543, 99.755

 0, 17.543, 99.755

83, 17.543, 99.755

83, 17.543, 99.755

82, 26.975, 98.598

84, 8.122, 100.891

80, 36.337, 97.413

86, 1.251, 282.135

79, 45.499, 96.217

87, 10.551,
283.092

78, 54.234, 95.018

89, 17.208,
282.662

77, 62.176, 93.818

76, 68.773, 92.612

90, 15.478,
276.736

74, 73.346, 91.370

91, 13.950,
269.463

73, 75.545, 90.051

73, 75.774, 89.874

92, 12.696,
260.636

93, 11.797,
250.234

■ 94, 11.334,
238.621

Harmonies

Complementary

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



83, 17.543, 99.755



74, 17.973, 284.235

Rectangle

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



83, 17.543, 99.755



83, 17.543, 149.755



83, 17.543, 279.755



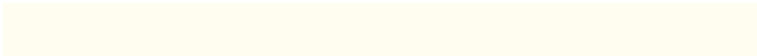
83, 17.543, 329.755

Sweetspot

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



83, 17.545, 99.762



99, 6.463, 101.175



75, 15.775, 6.367



53, 4.288, 101.104



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, 17.545, 99.762



96, 23.822, 99.352



84, 21.491, 121.380



44, 5.316, 100.808



60, 64.093, 90.103



14, 20.909, 93.319

Inverse Universe

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



74, 17.973, 284.235



84, 24.525, 284.765



73, 22.261, 303.570



42, 5.386, 282.990



23, 88.548, 303.073



3, 24.264, 289.745

Previews

White Background



This preview shows how the CIELCh color 83, 17.543, 99.755 looks on a white background.

Color Contrast Check

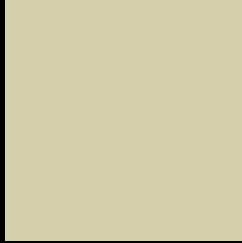
Large Text (above 18pt) WCAG AA × Fail

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, 17.543, 99.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

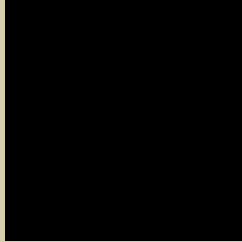
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

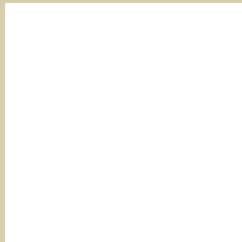
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 17.543, 99.755

Background



This preview shows how black text looks on a background with the CIELCh color 83, 17.543, 99.755.



This preview shows how white text looks on a background with the CIELCh color 83, 17.543, 99.755.

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, 17.543, 99.755

Protanopia

83, 17.459, 93.197

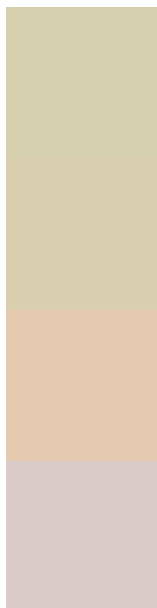
Deuteranopia

83, 19.348, 58.677



Tritanopia
83, 10.937, 329.591

Trichromacy



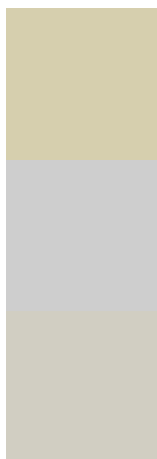
Original Color
83, 17.543, 99.755

Protanomaly
83, 17.358, 94.442

Deuteranomaly
83, 17.784, 72.479

Tritanomaly
83, 5.653, 30.445

Monochromacy



Original Color
83, 17.543, 99.755

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 6.410, 99.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 17.543, 99.755 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(214, 207, 174)` looks like.

```
.text, #text, p{  
    color:rgb(214, 207, 174)  
}
```

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(214, 207, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 207, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 17.543, 99.755 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(214, 207, 174) }
```

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

```
.border{ border-color:rgb(214, 207, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 207, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 207, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 207, 174);  
box-shadow:4px 4px 4px 4px rgb(214, 207,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 17.543, 99.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 207, 174) }
```

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

```
.background{ background-color: rgb(214,  
207, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor