

Converting Colors

CIELCh(83, 19.229, 99.589)

Have a look what the booklet for
CIELCh(83, 19.229, 99.589) contains.

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Color

CIELCh(83, 19.157, 99.145)

Conversions

Conversions Part 1

Format	Color
Hex	D7CFAB
RGB	215, 207, 171
RGB Percent	84%, 81%, 67%
CMY	0.1560, 0.1873, 0.3286
CMYK	0.00, 0.04, 0.20, 0.16
HSL	49°, 36%, 76%
HSV	49°, 20%, 84%
XYZ	57.8283, 62.1629, 47.5862
YIQ	205.2880, 16.3240, -9.5000

Conversions

Conversions Part 2

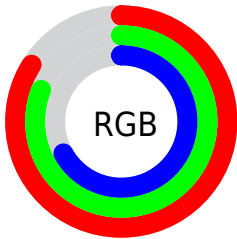
Format	Color
RYB	181, 215, 171
Decimal	14143403
CIELab	83.00, -3.04, 18.91
CIELCh	83, 19.157, 99.145
Yxy	62.1629, 0.3451, 0.3710
Android (android.graphics.Color)	4292333483 (0xFFD7CFAB)
YUV	205.2880, -16.9040, 8.5174
Hunter-Lab	78.8435, -7.0540, 19.4058

Details

The CIELCh color $83, 19.157, 99.145$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $73, 19.654, 284.120$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 14.673, 109.069$, and $63, 19.080, 99.264$ is the 20% darker color. If you saturate the color by 10%, you get $82, 28.562, 97.975$, and if you desaturate by 10%, it is $84, 9.758, 100.296$.

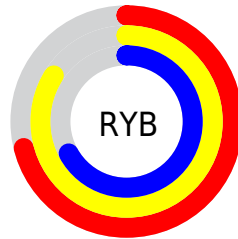
Distribution



Red (84%)

Green (81%)

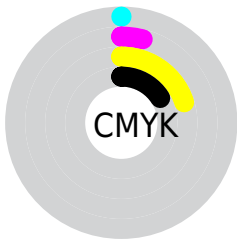
Blue (67%)



Red (71%)

Yellow (84%)

Blue (67%)

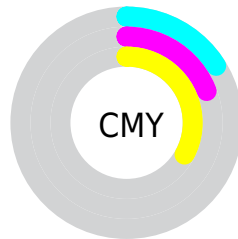


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (16%)



Cyan (16%)

Magenta (19%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 19.157, 99.145 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, 19.157, 99.145 by changing the saturation by 10% instead.

 83, 19.157, 99.145

 83, 19.157, 99.145

 100, 19.157,
99.145

 73, 19.157, 99.145

 63, 19.157, 99.145

 53, 19.157, 99.145

 43, 19.157, 99.145

 33, 19.157, 99.145

 23, 19.157, 99.145

 13, 19.157, 99.145

 3, 19.157, 99.145

 0, 19.157, 99.145

83, 19.157, 99.145

83, 19.157, 99.145

82, 28.562, 97.975

84, 9.758, 100.296

80, 37.887, 96.777

86, 0.407, 101.048

79, 46.989, 95.568

88, 8.870, 282.524

78, 55.623, 94.353

89, 16.876,
282.841

76, 63.390, 93.133

90, 15.072,
276.517

75, 69.705, 91.896

91, 13.497,
268.650

74, 73.879, 90.604

73, 75.765, 89.286

92, 12.235,
258.998

93, 11.384,
247.594

94, 11.035,

234.990

Harmonies

Complementary

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



83, 19.157, 99.145



73, 19.654, 284.120

Rectangle

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



83, 19.157, 99.145



83, 19.157, 149.145



83, 19.157, 279.145



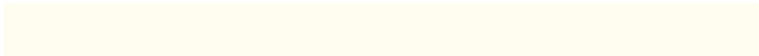
83, 19.157, 329.145

Sweetspot

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



83, 19.158, 99.151



99, 6.416, 100.779



74, 17.418, 6.581



53, 4.257, 100.708



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, 19.158, 99.151



96, 26.901, 98.591



84, 23.610, 121.277



44, 5.278, 100.411



59, 63.875, 89.530



14, 20.766, 92.781

Inverse Universe

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



73, 19.654, 284.120



82, 27.781, 284.868



73, 24.542, 303.695



42, 5.345, 282.605



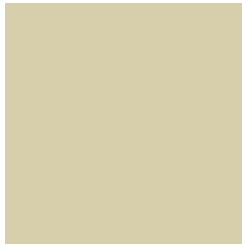
23, 87.944, 302.869



3, 24.138, 289.554

Previews

White Background



This preview shows how the CIELCh color 83, 19.157, 99.145 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, 19.157, 99.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

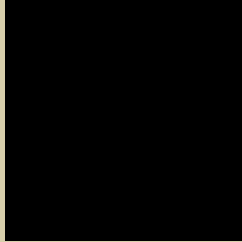
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

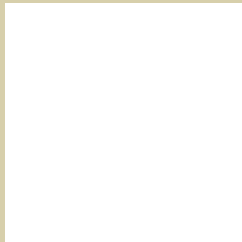
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 19.157, 99.145

Background



This preview shows how black text looks on a background with the CIELCh color 83, 19.157, 99.145.



This preview shows how white text looks on a background with the CIELCh color 83, 19.157, 99.145.

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, 19.157, 99.145

Protanopia

83, 18.984, 94.259

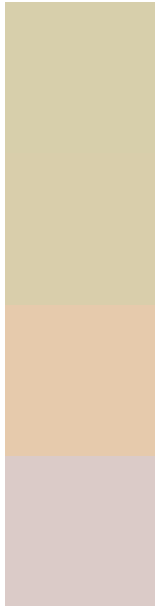
Deuteranopia

83, 20.758, 61.116



Tritanopia
83, 11.168, 331.062

Trichromacy



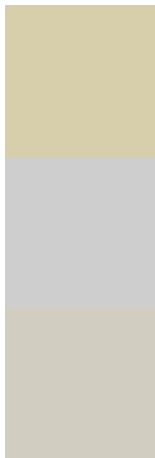
Original Color
83, 19.157, 99.145

Protanomaly
83, 18.890, 95.414

Deuteranomaly
83, 19.341, 74.065

Tritanomaly
83, 6.145, 34.623

Monochromacy



Original Color
83, 19.157, 99.145

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 6.930, 100.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 19.157, 99.145 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(215, 207, 171)` looks like.

```
.text, #text, p{  
    color:rgb(215, 207, 171)  
}
```

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(215, 207, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 207, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 19.157, 99.145 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(215, 207, 171) }
```

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

```
.border{ border-color:rgb(215, 207, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 207, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 207, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 207, 171);  
box-shadow:4px 4px 4px 4px rgb(215, 207,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 19.157, 99.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 207, 171) }
```

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

```
.background{ background-color: rgb(215,  
207, 171) }
```

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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