

Converting Colors

CIELCh(83, 19.616, 116.794)

Have a look what the booklet for
CIELCh(83, 19.616, 116.794)
contains.

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Color

CIELCh(83, 19.646, 117.457)

Conversions

Conversions Part 1

Format	Color
Hex	CBD3AE
RGB	203, 211, 174
RGB Percent	80%, 83%, 68%
CMY	0.2050, 0.1736, 0.3186
CMYK	0.04, 0.00, 0.18, 0.17
HSL	73°, 29%, 75%
HSV	73°, 18%, 83%
XYZ	55.4006, 62.1629, 48.9923
YIQ	204.3900, 7.1090, -13.2030

Conversions

Conversions Part 2

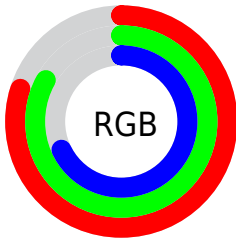
Format	Color
RYB	174, 211, 182
Decimal	13357998
CIELab	83.00, -9.06, 17.43
CIELCh	83, 19.646, 117.457
Yxy	62.1629, 0.3326, 0.3732
Android (android.graphics.Color)	4291548078 (0xFFCBD3AE)
YUV	204.3900, -14.9823, -1.2190
Hunter-Lab	78.8435, -12.5502, 18.3484

Details

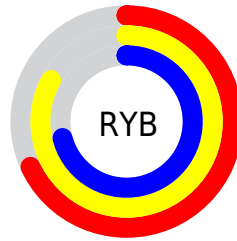
The CIELCh color **83, 19.646, 117.457** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **73, 20.386, 299.909**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **63, 20.173, 117.372** is the 20% darker color. If you saturate the color by 10%, you get **82, 30.709, 116.788**, and if you desaturate by 10%, it is **84, 8.468, 118.131**.

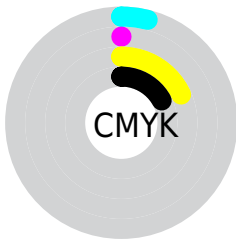
Distribution



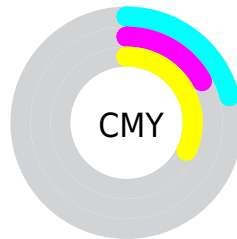
- Red (80%)
- Green (83%)
- Blue (68%)



- Red (68%)
- Yellow (83%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)





- Cyan (21%)
- Magenta (17%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 19.646, 117.457 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, 19.646, 117.457 by changing the saturation by 10% instead.


 83, 19.646,
117.457


 83, 19.646,
117.457


 100, 19.646,
117.457


 73, 19.646,
117.457

 63, 19.646,
117.457

 53, 19.646,
117.457

 43, 19.646,
117.457

 33, 19.646,
117.457

 23, 19.646,
117.457

 13, 19.646,

117.457

■ 3, 19.646, 117.457

■ 0, 19.646, 117.457

■ 83, 19.646,
117.457

■ 83, 19.646,
117.457

■ 82, 30.709,
116.788

■ 84, 8.468, 118.131

■ 82, 41.538,
116.133

■ 85, 2.755, 298.772

■ 81, 51.966,
115.528

■ 86, 13.968,
299.400

■ 80, 61.737,
115.020

■ 87, 23.559,
300.442

■ 80, 70.481,

■ 87, 23.838,
304.114

114.678

87, 24.209,
307.721

80, 77.716,
114.588

88, 24.671,
311.239

79, 82.938,
114.848

88, 25.221,
314.646

79, 85.939,
115.510

88, 25.854,
317.925

79, 86.518,
115.696

Harmonies

Complementary

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



83, 19.646, 117.457



73, 20.386, 299.909

Rectangle

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



83, 19.646, 117.457



83, 19.646, 167.457



83, 19.646, 297.457



83, 19.646, 347.457

Sweetspot

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



83, 19.648, 117.461



99, 6.540, 118.296



76, 12.172, 39.169



53, 4.462, 118.249



0, 0.000, 0.000



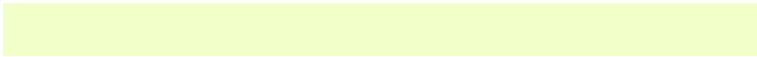
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 19.648, 117.461



98, 27.402, 117.213



82, 21.854, 134.953



44, 6.319, 118.008



64, 73.119, 115.514



15, 24.055, 116.987

Inverse Universe

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



73, 20.386, 299.909



84, 28.664, 300.222



74, 22.147, 316.469



40, 6.449, 299.270



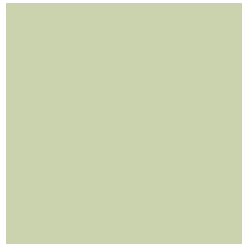
21, 96.281, 307.452



2, 25.807, 298.671

Previews

White Background



This preview shows how the CIELCh color 83, 19.646, 117.457 looks on a white background.

Color Contrast Check

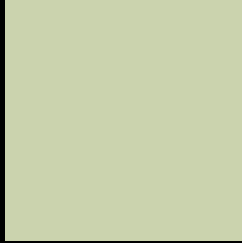
Large Text (above 18pt) WCAG AA × Fail

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, 19.646, 117.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

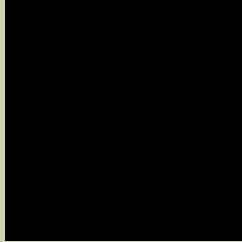
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

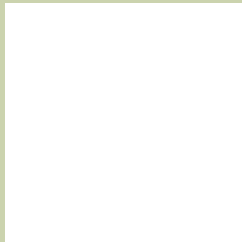
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 19.646, 117.457

Background



This preview shows how black text looks on a background with the CIELCh color 83, 19.646, 117.457.



This preview shows how white text looks on a background with the CIELCh color 83, 19.646, 117.457.

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, 19.646, 117.457

Protanopia
83, 18.984, 94.259

Deuteranopia
83, 19.348, 58.677



Tritanopia
83, 8.683, 302.682

Trichromacy



Original Color
83, 19.646, 117.457

Protanomaly
83, 18.952, 103.816

Deuteranomaly
83, 17.103, 78.745

Tritanomaly
83, 1.612, 96.889

Monochromacy



Original Color
83, 19.646, 117.457

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 6.900, 115.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 19.646, 117.457 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(203, 211, 174)` looks like.

```
.text, #text, p{  
    color:rgb(203, 211, 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(203, 211, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 211, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 19.646, 117.457 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(203, 211, 174) }
```

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

```
.border{ border-color:rgb(203, 211, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 211, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 211, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 211, 174);  
box-shadow:4px 4px 4px 4px rgb(203, 211,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 19.646, 117.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 211, 174) }
```

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

```
.background{ background-color: rgb(203,  
211, 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](#).

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