

Converting Colors

CIELCh(83, 33.449, 118.854)

Have a look what the booklet for
CIELCh(83, 33.449, 118.854)
contains.

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Color

CIELCh(83, 33.441, 118.870)

Conversions

Conversions Part 1

Format	Color
Hex	C5D697
RGB	197, 214, 151
RGB Percent	77%, 84%, 59%
CMY	0.2277, 0.1610, 0.4080
CMYK	0.08, 0.00, 0.29, 0.16
HSL	76°, 43%, 72%
HSV	76°, 29%, 84%
XYZ	52.6278, 62.1629, 38.4824
YIQ	201.7350, 10.0910, -23.1970

Conversions

Conversions Part 2

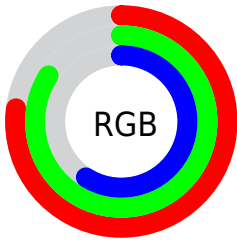
Format	Color
RYB	151, 214, 168
Decimal	12965527
CIELab	83.00, -16.15, 29.28
CIElCh	83, 33.441, 118.870
Yxy	62.1629, 0.3434, 0.4056
Android (android.graphics.Color)	4291155607 (0xFFC5D697)
YUV	201.7350, -25.0124, -4.1526
Hunter-Lab	78.8435, -18.8278, 26.2518

Details

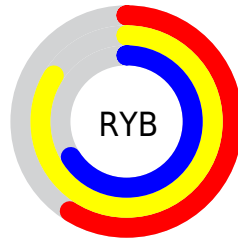
The CIELCh color **83, 33.441, 118.870** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **66, 35.554, 302.785**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.740, 109.168**, and **63, 33.454, 118.288** is the 20% darker color. If you saturate the color by 10%, you get **82, 44.449, 118.278**, and if you desaturate by 10%, it is **84, 22.182, 119.489**.

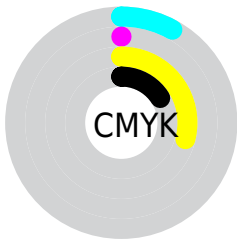
Distribution



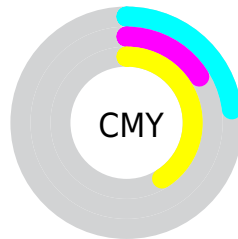
- Red (77%)
- Green (84%)
- Blue (59%)



- Red (59%)
- Yellow (84%)
- Blue (66%)



- Cyan (8%)
- Magenta (0%)
- Yellow (29%)
- Black (16%)





- Cyan (23%)
- Magenta (16%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 33.441, 118.870 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, 33.441, 118.870 by changing the saturation by 10% instead.


 83, 33.441,
118.870


 83, 33.441,
118.870


 100, 33.441,
118.870


 73, 33.441,
118.870

 63, 33.441,
118.870

 53, 33.441,
118.870

 43, 33.441,
118.870

 33, 33.441,
118.870

 23, 33.441,
118.870

 13, 33.441,

118.870

■ 3, 33.441, 118.870

■ 0, 33.441, 118.870

■ 83, 33.441,
118.870

■ 83, 33.441,
118.870

■ 82, 44.449,
118.278

■ 84, 22.182,
119.489

■ 82, 55.015,
117.743

■ 85, 10.792,
120.105

■ 81, 64.863,
117.320

■ 86, 0.645, 300.637

■ 80, 73.599,
117.089

■ 87, 12.069,
301.265

■ 80, 80.719,

■ 88, 21.934,
302.424

117.150

88, 22.381,
307.396

80, 85.739,
117.607

89, 22.987,
312.195

79, 88.663,
118.473

89, 23.742,
316.769

79, 88.806,
118.524

90, 24.638,
321.083

Harmonies

Complementary

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



83, 33.441, 118.870



66, 35.554, 302.785

Rectangle

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



83, 33.441, 118.870



83, 33.441, 168.870



83, 33.441, 298.870



83, 33.441, 348.870

Sweetspot

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



83, 33.443, 118.873



99, 11.857, 120.127



73, 21.024, 46.171



53, 8.239, 120.037



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, 33.443, 118.873



97, 45.645, 118.517



81, 37.878, 136.313



45, 6.491, 120.106



64, 75.008, 118.314



16, 25.902, 119.147

Inverse Universe

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



66, 35.554, 302.785



73, 49.230, 303.309



69, 38.495, 319.085



41, 6.617, 301.253



22, 96.605, 308.005



2, 27.993, 300.758

Previews

White Background



This preview shows how the CIELCh color 83, 33.441, 118.870 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, 33.441, 118.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

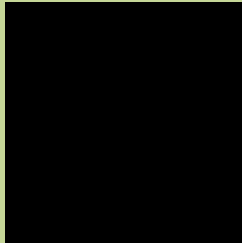
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

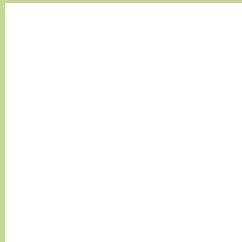
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 33.441, 118.870

Background



This preview shows how black text looks on a background with the CIELCh color 83, 33.441, 118.870.



This preview shows how white text looks on a background with the CIELCh color 83, 33.441, 118.870.

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](#).

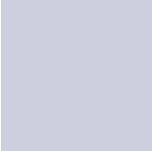
Dichromacy



Original Color
83, 33.441, 118.870

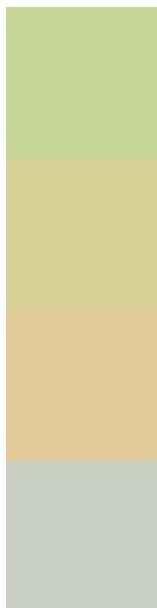
Protanopia
83, 31.048, 95.433

Deuteranopia
83, 29.843, 70.241



Tritanopia
83, 8.483, 293.298

Trichromacy



Original Color
83, 33.441, 118.870

Protanomaly
83, 31.328, 104.473

Deuteranomaly
83, 28.257, 89.480

Tritanomaly
83, 6.601, 125.846

Monochromacy



Original Color
83, 33.441, 118.870

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 12.354, 119.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 33.441, 118.870 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(197, 214, 151)` looks like.

```
.text, #text, p{  
    color:rgb(197, 214, 151)  
}
```

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(197, 214, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 214, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 33.441, 118.870 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(197, 214, 151) }
```

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

```
.border{ border-color:rgb(197, 214, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 214, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 214, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 214, 151);  
box-shadow:4px 4px 4px 4px rgb(197, 214,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 33.441, 118.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 214, 151) }
```

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

```
.background{ background-color: rgb(197,  
214, 151) }
```

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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