

Converting Colors

CIELCh(83, 36.820, 116.970)

Have a look what the booklet for
CIELCh(83, 36.820, 116.970)
contains.

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Color

CIELCh(83, 36.847, 116.958)

Conversions

Conversions Part 1

Format	Color
Hex	C6D690
RGB	198, 214, 144
RGB Percent	78%, 84%, 56%
CMY	0.2232, 0.1605, 0.4350
CMYK	0.07, 0.00, 0.33, 0.16
HSL	74°, 46%, 70%
HSV	74°, 33%, 84%
XYZ	52.4136, 62.1629, 35.6498
YIQ	201.2360, 12.9340, -25.1620

Conversions

Conversions Part 2

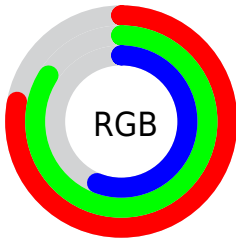
Format	Color
RYB	144, 214, 160
Decimal	13031056
CIELab	83.00, -16.70, 32.84
CIELCh	83, 36.847, 116.958
Yxy	62.1629, 0.3489, 0.4138
Android (android.graphics.Color)	4291221136 (0xFFC6D690)
YUV	201.2360, -28.2173, -2.8380
Hunter-Lab	78.8435, -19.3129, 28.3819

Details

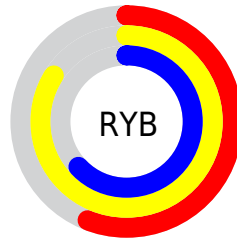
The CIELCh color **83, 36.847, 116.958** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **64, 39.609, 301.706**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 28.732, 107.994**, and **63, 36.523, 117.051** is the 20% darker color. If you saturate the color by 10%, you get **82, 47.656, 116.339**, and if you desaturate by 10%, it is **84, 25.729, 117.615**.

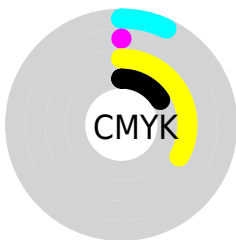
Distribution



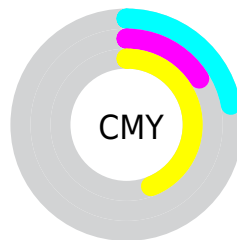
- Red (78%)
- Green (84%)
- Blue (56%)



- Red (56%)
- Yellow (84%)
- Blue (63%)



- Cyan (7%)
- Magenta (0%)
- Yellow (33%)
- Black (16%)





- Cyan (22%)
- Magenta (16%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 36.847, 116.958 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, 36.847, 116.958 by changing the saturation by 10% instead.


 83, 36.847,
116.958


 83, 36.847,
116.958


 100, 36.847,
116.958


 73, 36.847,
116.958

 63, 36.847,
116.958

 53, 36.847,
116.958

 43, 36.847,
116.958

 33, 36.847,
116.958

 23, 36.847,
116.958

 13, 36.847,

116.958

■ 3, 36.847, 116.958

■ 0, 36.847, 116.958

■ 83, 36.847,
116.958

■ 83, 36.847,
116.958

■ 82, 47.656,
116.339

■ 84, 25.729,
117.615

■ 82, 57.936,
115.791

■ 85, 14.436,
118.275

■ 81, 67.374,
115.374

■ 85, 3.066, 118.929

■ 81, 75.531,
115.170

■ 86, 8.317, 299.543

■ 87, 19.667,
300.138

■ 80, 81.886,

115.276

88, 21.967,
303.753

80, 86.013,
115.782

88, 22.372,
307.957

80, 87.829,
116.369

89, 22.891,
312.030

89, 23.518,
315.942

Harmonies

Complementary

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



83, 36.847, 116.958



64, 39.609, 301.706

Rectangle

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



83, 36.847, 116.958



83, 36.847, 166.958



83, 36.847, 296.958



83, 36.847, 346.958

Sweetspot

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



83, 36.849, 116.961



99, 13.102, 118.446



70, 24.235, 40.923



53, 8.938, 118.353



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, 36.849, 116.961



96, 50.347, 116.539



81, 41.412, 134.653



45, 6.455, 118.490



65, 74.170, 116.182



16, 25.654, 117.077

Inverse Universe

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



64, 39.609, 301.706



70, 55.095, 302.386



67, 42.363, 317.661



41, 6.587, 299.727



21, 97.205, 307.561



2, 27.901, 299.707

Previews

White Background



This preview shows how the CIELCh color 83, 36.847, 116.958 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, 36.847, 116.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

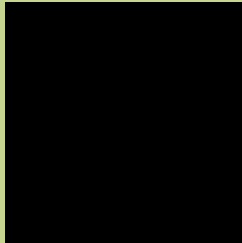
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 36.847, 116.958

Background



This preview shows how black text looks on a background with the CIELCh color 83, 36.847, 116.958.



This preview shows how white text looks on a background with the CIELCh color 83, 36.847, 116.958.

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, 36.847, 116.958

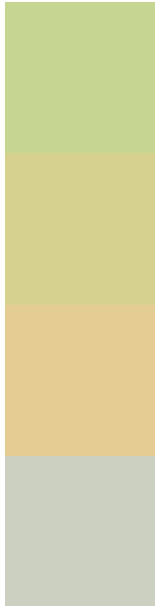
Protanopia
83, 34.662, 95.587

Deuteranopia
83, 32.985, 72.004



Tritanopia
83, 9.136, 299.853

Trichromacy



Original Color
83, 36.847, 116.958

Protanomaly
83, 34.914, 103.763

Deuteranomaly
83, 31.504, 89.437

Tritanomaly
83, 8.048, 120.116

Monochromacy



Original Color
83, 36.847, 116.958

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 13.907, 118.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 36.847, 116.958 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(198, 214, 144)` looks like.

```
.text, #text, p{  
    color:rgb(198, 214, 144)  
}
```

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(198, 214, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 214, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 36.847, 116.958 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(198, 214, 144) }
```

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

```
.border{ border-color:rgb(198, 214, 144) }
```

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

Here you see how a box with a 4 pixel rgb(198, 214, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 214, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 214, 144);  
box-shadow:4px 4px 4px 4px rgb(198, 214,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 36.847, 116.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 214, 144) }
```

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

```
.background{ background-color: rgb(198,  
214, 144) }
```

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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