

Converting Colors

CIELCh(83, 38.117, 127.600)

Have a look what the booklet for
CIELCh(83, 38.117, 127.600)
contains.

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Color

CIELCh(83, 38.343, 127.848)

Conversions

Conversions Part 1

Format	Color
Hex	B7DA95
RGB	183, 218, 149
RGB Percent	72%, 85%, 58%
CMY	0.2836, 0.1464, 0.4169
CMYK	0.16, 0.00, 0.32, 0.15
HSL	90°, 48%, 72%
HSV	90°, 32%, 85%
XYZ	49.8407, 62.1629, 37.6779
YIQ	199.6690, 1.2890, -28.8790

Conversions

Conversions Part 2

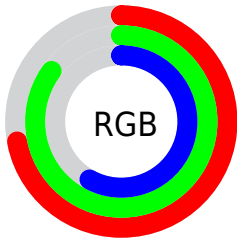
Format	Color
RYB	149, 218, 184
Decimal	12049045
CIELab	83.00, -23.53, 30.28
CIELCh	83, 38.343, 127.848
Yxy	62.1629, 0.3330, 0.4153
Android (android.graphics.Color)	4290239125 (0xFFB7DA95)
YUV	199.6690, -24.9798, -14.6187
Hunter-Lab	78.8435, -25.1379, 26.8568

Details

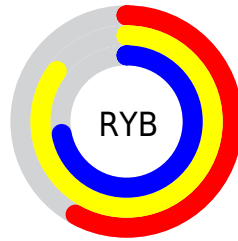
The CIELCh color **83, 38.343, 127.848** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **67, 40.063, 310.863**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 26.400, 120.404**, and **63, 38.611, 127.743** is the 20% darker color. If you saturate the color by 10%, you get **82, 50.121, 127.374**, and if you desaturate by 10%, it is **84, 26.313, 128.338**.

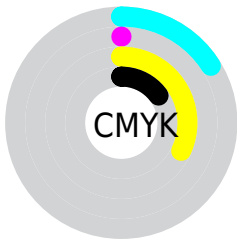
Distribution



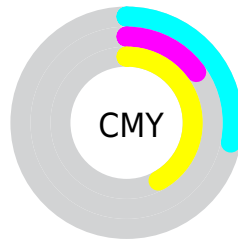
- Red (72%)
- Green (85%)
- Blue (58%)



- Red (58%)
- Yellow (85%)
- Blue (72%)



- Cyan (16%)
- Magenta (0%)
- Yellow (32%)
- Black (15%)



- Cyan (28%)
- Magenta (15%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 38.343, 127.848 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, 38.343, 127.848 by changing the saturation by 10% instead.


 83, 38.343,
127.848

 83, 38.343,
127.848

 100, 38.343,
127.848


 73, 38.343,
127.848

 63, 38.343,
127.848

 53, 38.343,
127.848

 43, 38.343,
127.848

 33, 38.343,
127.848

 23, 38.343,
127.848

 13, 38.343,

127.848

■ 3, 38.343, 127.848

■ 0, 38.343, 127.848

■ 83, 38.343,
127.848

■ 83, 38.343,
127.848

■ 82, 50.121,
127.374

■ 84, 26.313,
128.338

■ 81, 61.426,
126.952

■ 85, 14.176,
128.815

■ 80, 71.950,
126.650

■ 87, 2.036, 129.315

■ 79, 81.264,
126.567

■ 88, 10.032,
309.650

■ 79, 88.848,

■ 90, 20.736,
311.161

126.829

90, 22.291,
320.591

78, 94.241,
127.554

91, 23.371,
325.238

78, 97.204,
128.461

Harmonies

Complementary

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



83, 38.343, 127.848



67, 40.063, 310.863

Rectangle

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



83, 38.343, 127.848



83, 38.343, 177.848



83, 38.343, 307.848



83, 38.343, 357.848

Sweetspot

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



83, 38.345, 127.850



98, 13.783, 128.890



77, 23.380, 71.472



52, 9.406, 128.824



0, 0.000, 0.000



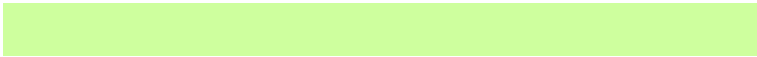
53, 0.007, 296.813

Same Dimension

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



83, 38.345, 127.850



95, 52.080, 127.530



81, 44.480, 142.190



46, 6.922, 128.920



63, 81.830, 128.208



16, 29.370, 128.673

Inverse Universe

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



67, 40.063, 310.863



73, 54.976, 311.221



70, 44.461, 326.155



43, 7.016, 309.733



27, 93.259, 312.118



3, 31.297, 309.696

Previews

White Background



This preview shows how the CIELCh color 83, 38.343, 127.848 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, 38.343, 127.848 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, 38.343, 127.848

Background



This preview shows how black text looks on a background with the CIELCh color 83, 38.343, 127.848.



This preview shows how white text looks on a background with the CIELCh color 83, 38.343, 127.848.

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, 38.343, 127.848

Protanopia
83, 33.155, 95.239

Deuteranopia
83, 30.276, 70.767



Tritanopia
83, 10.098, 262.416

Trichromacy



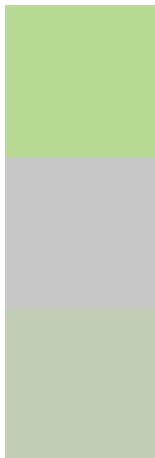
Original Color
83, 38.343, 127.848

Protanomaly
83, 33.317, 108.615

Deuteranomaly
83, 29.051, 94.820

Tritanomaly
83, 11.325, 154.316

Monochromacy



Original Color
83, 38.343, 127.848

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 14.115, 129.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 38.343, 127.848 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(183, 218, 149)` looks like.

```
.text, #text, p{  
    color:rgb(183, 218, 149)  
}
```

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(183, 218, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 218, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 38.343, 127.848 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(183, 218, 149) }
```

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

```
.border{ border-color:rgb(183, 218, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 218, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 218, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 218, 149);  
box-shadow:4px 4px 4px 4px rgb(183, 218,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 38.343, 127.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 218, 149) }
```

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

```
.background{ background-color: rgb(183,  
218, 149) }
```

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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