

Converting Colors

CIELCh(83, 38.043, 129.949)

Have a look what the booklet for
CIELCh(83, 38.043, 129.949)
contains.

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Color

CIELCh(83, 37.844, 129.975)

Conversions

Conversions Part 1

Format	Color
Hex	B4DA97
RGB	180, 218, 151
RGB Percent	71%, 85%, 59%
CMY	0.2936, 0.1446, 0.4074
CMYK	0.17, 0.00, 0.31, 0.14
HSL	94°, 48%, 72%
HSV	94°, 31%, 86%
XYZ	49.5494, 62.1629, 38.7148
YIQ	199.0000, -1.1410, -28.8930

Conversions

Conversions Part 2

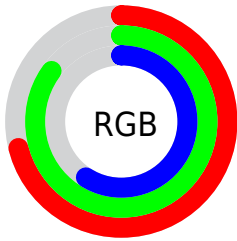
Format	Color
RYB	151, 218, 189
Decimal	11852439
CIELab	83.00, -24.31, 29.00
CIElCh	83, 37.844, 129.975
Yxy	62.1629, 0.3294, 0.4132
Android (android.graphics.Color)	4290042519 (0xFFB4DA97)
YUV	199.0000, -23.6640, -16.6630
Hunter-Lab	78.8435, -25.7973, 26.0770

Details

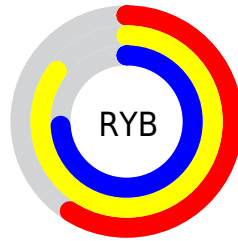
The CIELCh color **83, 37.844, 129.975** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **68, 39.243, 312.776**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 25.703, 123.296**, and **63, 38.128, 129.964** is the 20% darker color. If you saturate the color by 10%, you get **82, 49.889, 129.489**, and if you desaturate by 10%, it is **84, 25.570, 130.464**.

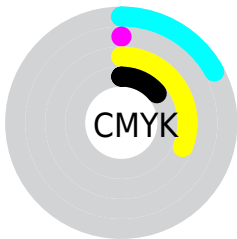
Distribution



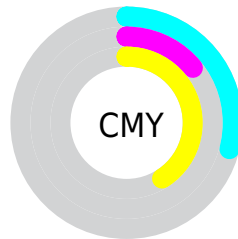
- Red (71%)
- Green (85%)
- Blue (59%)



- Red (59%)
- Yellow (85%)
- Blue (74%)



- Cyan (17%)
- Magenta (0%)
- Yellow (31%)
- Black (14%)





- Cyan (29%)
- Magenta (14%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 37.844, 129.975 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, 37.844, 129.975 by changing the saturation by 10% instead.


 83, 37.844,
129.975


 83, 37.844,
129.975


 100, 37.844,
129.975


 73, 37.844,
129.975

 63, 37.844,
129.975

 53, 37.844,
129.975

 43, 37.844,
129.975

 33, 37.844,
129.975

 23, 37.844,
129.975

 13, 37.844,

129.975

■ 3, 37.844, 129.975

■ 0, 37.844, 129.975

■ 83, 37.844,
129.975

■ 83, 37.844,
129.975

■ 82, 49.889,
129.489

■ 84, 25.570,
130.464

■ 81, 61.484,
129.040

■ 86, 13.211,
130.933

■ 80, 72.323,
128.693

■ 87, 0.876, 131.522

■ 79, 81.982,
128.543

■ 89, 11.361,
311.728

■ 79, 89.939,

■ 90, 20.963,
314.634

128.716

91, 22.966,
324.745

78, 95.709,
129.333

91, 23.089,
325.228

78, 99.191,
130.263

Harmonies

Complementary

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



83, 37.844, 129.975



68, 39.243, 312.776

Rectangle

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



83, 37.844, 129.975



83, 37.844, 179.975



83, 37.844, 309.975



83, 37.844, 359.975

Sweetspot

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



83, 37.846, 129.976



99, 12.582, 131.008



78, 23.521, 78.264



52, 8.747, 130.941



0, 0.000, 0.000



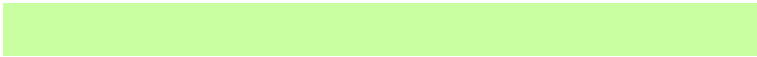
53, 0.007, 296.813

Same Dimension

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



83, 37.846, 129.976



95, 51.576, 129.652



81, 41.292, 144.075



45, 7.023, 130.992



63, 83.363, 130.019



16, 29.932, 130.664

Inverse Universe

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



68, 39.243, 312.776



74, 53.933, 313.097



71, 41.302, 328.026



43, 7.106, 311.769



29, 92.073, 313.585



4, 31.766, 312.106

Previews

White Background



This preview shows how the CIELCh color 83, 37.844, 129.975 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, 37.844, 129.975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

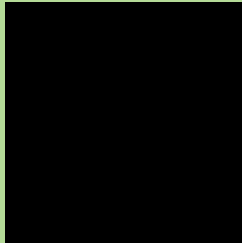
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 37.844, 129.975

Background



This preview shows how black text looks on a background with the CIELCh color 83, 37.844, 129.975.



This preview shows how white text looks on a background with the CIELCh color 83, 37.844, 129.975.

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](#).

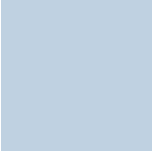
Dichromacy



Original Color
83, 37.844, 129.975

Protanopia
83, 32.058, 95.694

Deuteranopia
83, 29.412, 69.699



Tritanopia
83, 10.346, 254.223

Trichromacy



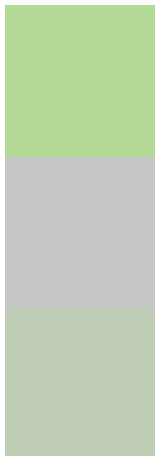
Original Color
83, 37.844, 129.975

Protanomaly
83, 32.314, 109.453

Deuteranomaly
82, 27.436, 95.117

Tritanomaly
83, 11.761, 159.639

Monochromacy



Original Color
83, 37.844, 129.975

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 13.765, 131.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 37.844, 129.975 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(180, 218, 151)` looks like.

```
.text, #text, p{  
    color:rgb(180, 218, 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(180, 218, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 218, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 37.844, 129.975 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(180, 218, 151) }
```

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

```
.border{ border-color:rgb(180, 218, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 218, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 218, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 218, 151);  
box-shadow:4px 4px 4px 4px rgb(180, 218,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 37.844, 129.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 218, 151) }
```

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

```
.background{ background-color: rgb(180,  
218, 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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