

Converting Colors

CIELCh(83, 57.351, 136.876)

Have a look what the booklet for
CIELCh(83, 57.351, 136.876)
contains.

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Color

CIELCh(83, 57.550, 136.727)

Conversions

Conversions Part 1

Format	Color
Hex	94E282
RGB	148, 226, 130
RGB Percent	58%, 89%, 51%
CMY	0.4204, 0.1145, 0.4909
CMYK	0.35, 0.00, 0.43, 0.11
HSL	109°, 62%, 70%
HSV	109°, 43%, 89%
XYZ	43.3320, 62.1629, 30.7662
YIQ	191.7340, -15.6720, -46.3920

Conversions

Conversions Part 2

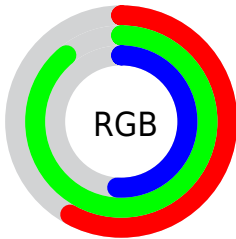
Format	Color
RYB	130, 226, 208
Decimal	9757314
CIELab	83.00, -41.90, 39.45
CIElCh	83, 57.550, 136.727
Yxy	62.1629, 0.3180, 0.4562
Android (android.graphics.Color)	4287947394 (0xFF94E282)
YUV	191.7340, -30.4349, -38.3547
Hunter-Lab	78.8435, -39.8733, 32.0544

Details

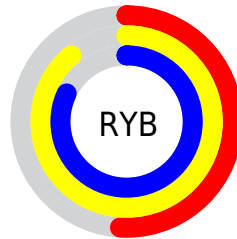
The CIELCh color $83, 57.550, 136.727$ is a light color, and the websafe version is hex $99FF99$. A complement of this color would be $66, 58.495, 321.051$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 40.528, 134.531$, and $63, 57.367, 136.826$ is the 20% darker color. If you saturate the color by 10%, you get $82, 70.199, 136.023$, and if you desaturate by 10%, it is $84, 44.284, 137.409$.

Distribution



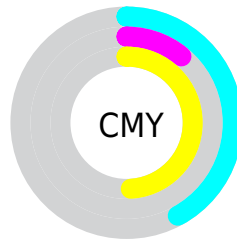
- Red (58%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (82%)



- Cyan (35%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (42%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 57.550, 136.727 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, 57.550, 136.727 by changing the saturation by 10% instead.

■ 83, 57.550,
136.727

■ 83, 57.550,
136.727

■ 100, 57.550,
136.727

■ 73, 57.550,
136.727

■ 63, 57.550,
136.727

■ 53, 57.550,
136.727

■ 43, 57.550,
136.727

■ 33, 57.550,
136.727

■ 23, 57.550,
136.727

■ 13, 57.550,

136.727

■ 3, 57.550, 136.727

■ 0, 57.550, 136.727

■ 83, 57.550,
136.727

■ 83, 57.550,
136.727

■ 82, 70.199,
136.023

■ 84, 44.284,
137.409

■ 81, 81.826,
135.355

■ 86, 30.696,
138.037

■ 80, 91.917,
134.820

■ 87, 17.010,
138.601

■ 80, 99.878,
134.547

■ 89, 3.386, 139.144

■ 79, 105.215,

■ 91, 10.062,
319.475

134.652

93, 18.262,
325.058

79, 107.637,
134.912

Harmonies

Complementary

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



83, 57.550, 136.727



66, 58.495, 321.051

Rectangle

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



83, 57.550, 136.727



83, 57.550, 186.727



83, 57.550, 316.727



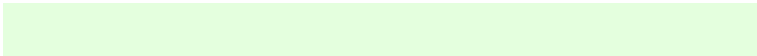
83, 57.550, 6.727

Sweetspot

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



83, 57.551, 136.728



97, 19.514, 138.570



83, 40.705, 95.348



52, 13.667, 138.449



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, 57.551, 136.728



91, 75.390, 136.105



83, 49.117, 150.475



46, 7.669, 138.762



63, 89.161, 134.766



17, 33.637, 136.083

Inverse Universe

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



66, 58.495, 321.051



69, 76.719, 321.366



67, 49.645, 337.520



44, 7.710, 319.591



36, 88.988, 321.173



6, 35.466, 321.830

Previews

White Background



This preview shows how the CIELCh color 83, 57.550, 136.727 looks on a white background.

Color Contrast Check

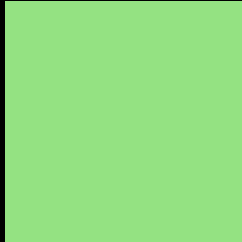
Large Text (above 18pt) WCAG AA × Fail

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, 57.550, 136.727 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, 57.550, 136.727

Background



This preview shows how black text looks on a background with the CIELCh color 83, 57.550, 136.727.

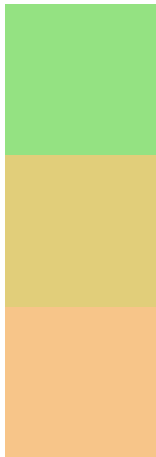


This preview shows how white text looks on a background with the CIELCh color 83, 57.550, 136.727.

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](#).

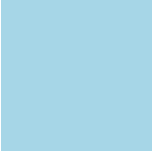
Dichromacy



Original Color
83, 57.550, 136.727

Protanopia
83, 44.242, 95.946

Deuteranopia
83, 38.233, 74.296



Tritanopia
83, 17.788, 229.024

Trichromacy



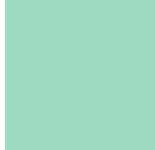
Original Color
83, 57.550, 136.727



Protanomaly
82, 45.706, 114.397



Deuteranomaly
82, 37.978, 104.319

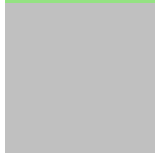


Tritanomaly
83, 24.467, 166.403

Monochromacy



Original Color
83, 57.550, 136.727



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 21.436, 137.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 57.550, 136.727 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(148, 226, 130)` looks like.

```
.text, #text, p{  
    color:rgb(148, 226, 130)  
}
```

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(148, 226, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 226, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 57.550, 136.727 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(148, 226, 130) }
```

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

```
.border{ border-color:rgb(148, 226, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 226, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 226, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 226, 130);  
box-shadow:4px 4px 4px 4px rgb(148, 226,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 57.550, 136.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 226, 130) }
```

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

```
.background{ background-color: rgb(148,  
226, 130) }
```

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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