

Converting Colors

CIELCh(84, 41.552, 159.458)

Have a look what the booklet for
CIELCh(84, 41.552, 159.458)
contains.

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Color

CIELCh(84, 41.698, 159.431)

Conversions

Conversions Part 1

Format	Color
Hex	85E5B5
RGB	133, 229, 181
RGB Percent	52%, 90%, 71%
CMY	0.4801, 0.1037, 0.2918
CMYK	0.42, 0.00, 0.21, 0.10
HSL	150°, 64%, 71%
HSV	150°, 42%, 90%
XYZ	45.8004, 64.0658, 53.4432
YIQ	194.8240, -41.8080, -35.2800

Conversions

Conversions Part 2

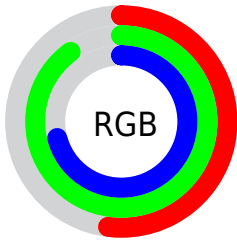
Format	Color
RYB	133, 197, 229
Decimal	8775093
CIELab	84.00, -39.04, 14.65
CIElCh	84, 41.698, 159.431
Yxy	64.0658, 0.2805, 0.3923
Android (android.graphics.Color)	4286965173 (0xFF85E5B5)
YUV	194.8240, -6.8152, -54.2196
Hunter-Lab	80.0411, -37.9323, 16.4410

Details

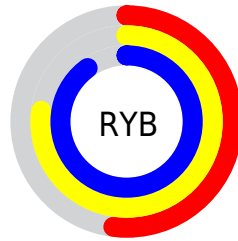
The CIELCh color **84, 41.698, 159.431** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67, 43.802, 347.928**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.896, 175.102**, and **64, 41.757, 159.339** is the 20% darker color. If you saturate the color by 10%, you get **83, 50.711, 158.067**, and if you desaturate by 10%, it is **85, 32.158, 160.635**.

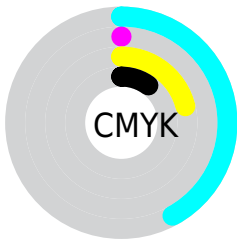
Distribution



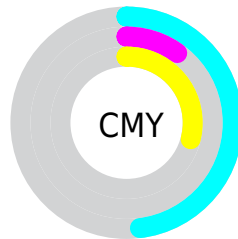
- Red (52%)
- Green (90%)
- Blue (71%)



- Red (52%)
- Yellow (77%)
- Blue (90%)



- Cyan (42%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)





- Cyan (48%)
- Magenta (10%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 41.698, 159.431 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 84, 41.698, 159.431 by changing the saturation by 10% instead.


 84, 41.698,
159.431


 84, 41.698,
159.431


 100, 41.698,
159.431


 74, 41.698,
159.431

 64, 41.698,
159.431

 54, 41.698,
159.431

 44, 41.698,
159.431

 34, 41.698,
159.431

 24, 41.698,
159.431

 14, 41.698,

159.431

■ 4, 41.698, 159.431

■ 0, 41.698, 159.431

■ 84, 41.698,
159.431

■ 84, 41.698,
159.431

■ 83, 50.711,
158.067

■ 85, 32.158,
160.635

■ 82, 59.022,
156.519

■ 87, 22.260,
161.707

■ 81, 66.489,
154.766

■ 89, 12.167,
162.676

■ 81, 73.023,
152.797

■ 90, 2.017, 163.719

■ 80, 78.617,

■ 92, 8.081, 344.219

150.624

93, 14.159,
331.947

80, 82.542,
148.810

94, 16.523,
324.996

Harmonies

Complementary

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



84, 41.698, 159.431



67, 43.802, 347.928

Rectangle

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



84, 41.698, 159.431



84, 41.698, 209.431



84, 41.698, 339.431



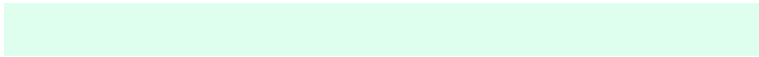
84, 41.698, 29.431

Sweetspot

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



84, 41.699, 159.430



97, 14.408, 162.575



86, 52.408, 127.093



52, 10.080, 162.365



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 41.699, 159.430



92, 53.474, 158.310



85, 29.680, 197.435



47, 5.778, 162.912



64, 68.039, 149.214



18, 26.265, 153.438

Inverse Universe

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



67, 43.802, 347.928



70, 56.458, 349.112



66, 40.107, 23.669



45, 5.853, 344.407



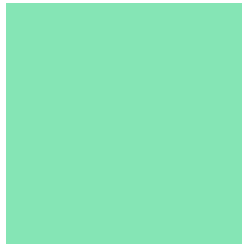
38, 64.857, 1.897



7, 27.610, 354.944

Previews

White Background



This preview shows how the CIELCh color 84, 41.698, 159.431 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 84, 41.698, 159.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

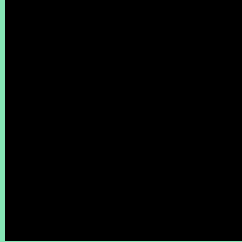
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 41.698, 159.431

Background



This preview shows how black text looks on a background with the CIELCh color 84, 41.698, 159.431.

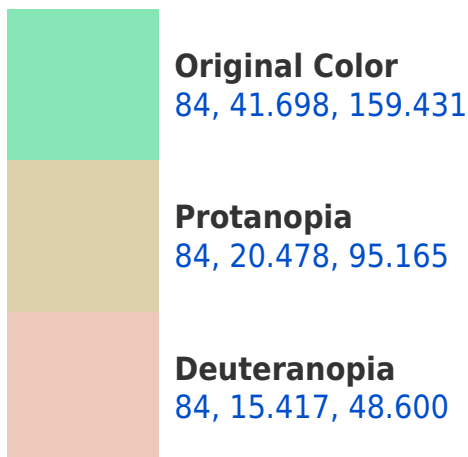



This preview shows how white text looks on a background with the CIELCh color 84, 41.698, 159.431.

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





Tritanopia
84, 24.590, 219.529

Trichromacy



Original Color
84, 41.698, 159.431



Protanomaly
83, 23.848, 133.565



Deuteranomaly
83, 14.545, 128.528



Tritanomaly
84, 27.167, 189.674

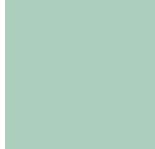
Monochromacy



Original Color
84, 41.698, 159.431



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 15.986, 161.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 41.698, 159.431 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(133, 229, 181)` looks like.

```
.text, #text, p{  
    color:rgb(133, 229, 181)  
}
```

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(133, 229, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 229, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 41.698, 159.431 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(133, 229, 181) }
```

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

```
.border{ border-color:rgb(133, 229, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 229, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 229, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 229, 181);  
box-shadow:4px 4px 4px 4px rgb(133, 229,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 41.698, 159.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 229, 181) }
```

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

```
.background{ background-color: rgb(133,  
229, 181) }
```

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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