

Converting Colors

CIELCh(84, 40.615, 161.074)

Have a look what the booklet for
CIELCh(84, 40.615, 161.074)
contains.

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Color

CIELCh(84, 40.651, 161.064)

Conversions

Conversions Part 1

Format	Color
Hex	84E4B7
RGB	132, 228, 183
RGB Percent	52%, 89%, 72%
CMY	0.4809, 0.1044, 0.2809
CMYK	0.42, 0.00, 0.20, 0.10
HSL	152°, 64%, 71%
HSV	152°, 42%, 90%
XYZ	46.0070, 64.0658, 54.9389
YIQ	194.1660, -42.7710, -34.3470

Conversions

Conversions Part 2

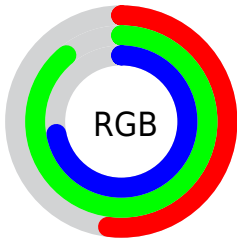
Format	Color
RYB	132, 195, 228
Decimal	8709303
CIELab	84.00, -38.45, 13.19
CIELCh	84, 40.651, 161.064
Yxy	64.0658, 0.2788, 0.3882
Android (android.graphics.Color)	4286899383 (0xFF84E4B7)
YUV	194.1660, -5.5048, -54.5196
Hunter-Lab	80.0411, -37.4714, 15.3331

Details

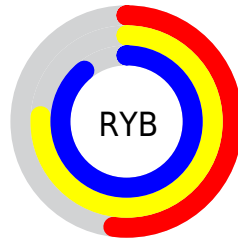
The CIELCh color **84, 40.651, 161.064** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67, 43.097, 349.811**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.716, 177.592**, and **64, 40.628, 161.030** is the 20% darker color. If you saturate the color by 10%, you get **83, 49.366, 159.692**, and if you desaturate by 10%, it is **85, 31.397, 162.279**.

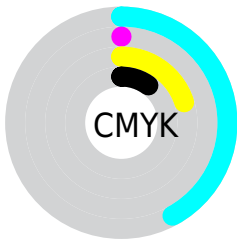
Distribution



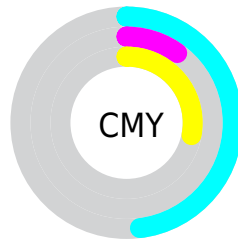
- Red (52%)
- Green (89%)
- Blue (72%)



- Red (52%)
- Yellow (76%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)




- Cyan (48%)
- Magenta (10%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 40.651, 161.064 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, 40.651, 161.064 by changing the saturation by 10% instead.


 84, 40.651,
161.064

 84, 40.651,
161.064


 100, 40.651,
161.064


 74, 40.651,
161.064

 64, 40.651,
161.064

 54, 40.651,
161.064

 44, 40.651,
161.064

 34, 40.651,
161.064


 24, 40.651,
161.064

 14, 40.651,

161.064


 4, 40.651, 161.064


 0, 40.651, 161.064


 84, 40.651,
161.064


 84, 40.651,
161.064


 83, 49.366,
159.692


 85, 31.397,
162.279

 82, 57.376,
158.140

 87, 21.771,
163.365

 81, 64.545,
156.384

 88, 11.931,
164.351

 81, 70.792,
154.413

 90, 2.014, 165.419

 80, 76.119,

 92, 7.870, 345.932

152.234

93, 13.705,
334.062

80, 79.833,
150.419

94, 16.635,
325.000

Harmonies

Complementary

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



84, 40.651, 161.064



67, 43.097, 349.811

Rectangle

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



84, 40.651, 161.064



84, 40.651, 211.064



84, 40.651, 341.064



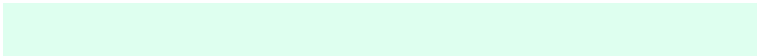
84, 40.651, 31.064

Sweetspot

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



84, 40.652, 161.063



97, 14.087, 164.252



85, 52.659, 127.682



52, 9.853, 164.038



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, 40.652, 161.063



92, 52.063, 159.942



85, 29.161, 199.138



47, 5.651, 164.597



64, 65.859, 150.824



18, 25.486, 155.048

Inverse Universe

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



67, 43.097, 349.811



70, 55.597, 351.061



66, 39.560, 24.789



45, 5.734, 346.129



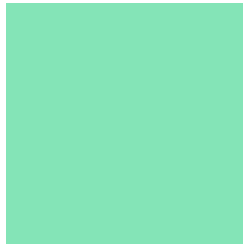
38, 64.634, 4.852



7, 27.334, 357.311

Previews

White Background



This preview shows how the CIE LCh color 84, 40.651, 161.064 looks on a white background.

Color Contrast Check

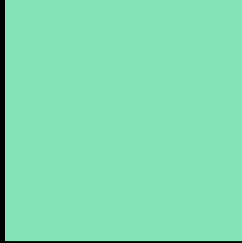
Large Text (above 18pt) WCAG AA × Fail

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, 40.651, 161.064 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, 40.651, 161.064

Background



This preview shows how black text looks on a background with the CIELCh color 84, 40.651, 161.064.

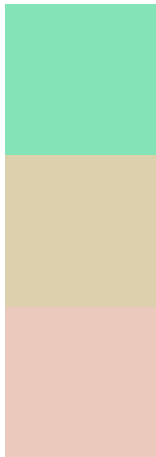


This preview shows how white text looks on a background with the CIELCh color 84, 40.651, 161.064.

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
84, 40.651, 161.064

Protanopia
84, 18.950, 94.282

Deuteranopia
84, 14.532, 45.836

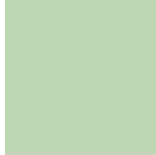


Tritanopia
84, 24.712, 220.760

Trichromacy



Original Color
84, 40.651, 161.064



Protanomaly
83, 22.433, 135.273



Deuteranomaly
83, 13.559, 130.029



Tritanomaly
84, 26.892, 191.897

Monochromacy



Original Color
84, 40.651, 161.064



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 15.323, 164.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 40.651, 161.064 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(132, 228, 183)` looks like.

```
.text, #text, p{  
    color:rgb(132, 228, 183)  
}
```

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(132, 228, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 228, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 40.651, 161.064 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(132, 228, 183) }
```

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

```
.border{ border-color:rgb(132, 228, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 228, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 228, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 228, 183);  
box-shadow:4px 4px 4px 4px rgb(132, 228,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 40.651, 161.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 228, 183) }
```

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

```
.background{ background-color: rgb(132,  
228, 183) }
```

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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