

Converting Colors

CIELCh(84, 39.893, 160.772)

Have a look what the booklet for
CIELCh(84, 39.893, 160.772)
contains.

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Color

CIElCh(84, 39.960, 160.421)

Conversions

Conversions Part 1

Format	Color
Hex	87E4B7
RGB	135, 228, 183
RGB Percent	53%, 89%, 72%
CMY	0.4705, 0.1058, 0.2823
CMYK	0.41, 0.00, 0.20, 0.11
HSL	151°, 63%, 71%
HSV	151°, 41%, 89%
XYZ	46.2894, 64.0658, 54.7330
YIQ	195.0630, -40.9830, -33.7110

Conversions

Conversions Part 2

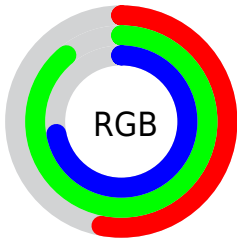
Format	Color
RYB	135, 196, 228
Decimal	8905911
CIELab	84.00, -37.65, 13.39
CIElCh	84, 39.960, 160.421
Yxy	64.0658, 0.2804, 0.3881
Android (android.graphics.Color)	4287095991 (0xFF87E4B7)
YUV	195.0630, -5.9471, -52.6753
Hunter-Lab	80.0411, -36.8417, 15.4856

Details

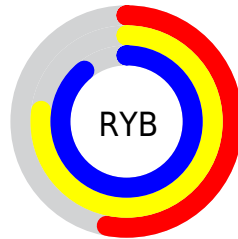
The CIELCh color **84, 39.960, 160.421** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67, 42.121, 348.723**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.852, 176.858**, and **64, 40.022, 160.491** is the 20% darker color. If you saturate the color by 10%, you get **83, 48.880, 159.073**, and if you desaturate by 10%, it is **85, 30.529, 161.613**.

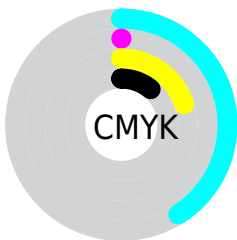
Distribution



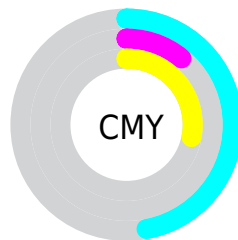
- Red (53%)
- Green (89%)
- Blue (72%)



- Red (53%)
- Yellow (77%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 39.960, 160.421 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, 39.960, 160.421 by changing the saturation by 10% instead.


 84, 39.960,
160.421


 84, 39.960,
160.421


 100, 39.960,
160.421


 74, 39.960,
160.421

 64, 39.960,
160.421

 54, 39.960,
160.421

 44, 39.960,
160.421

 34, 39.960,
160.421

 24, 39.960,
160.421

 14, 39.960,

160.421

■ 4, 39.960, 160.421

■ 0, 39.960, 160.421

■ 84, 39.960,
160.421

■ 84, 39.960,
160.421

■ 83, 48.880,
159.073

■ 85, 30.529,
161.613

■ 82, 57.118,
157.547

■ 87, 20.755,
162.678

■ 81, 64.530,
155.818

■ 89, 10.794,
163.647

■ 81, 71.024,
153.874

■ 90, 0.781, 165.044

■ 80, 76.585,

■ 92, 9.178, 345.194

151.722

93, 14.532,
331.684

80, 81.021,
149.629

93, 16.865,
325.009

Harmonies

Complementary

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



84, 39.960, 160.421



67, 42.121, 348.723

Rectangle

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



84, 39.960, 160.421



84, 39.960, 210.421



84, 39.960, 340.421



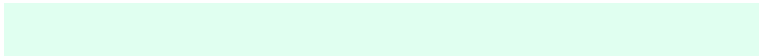
84, 39.960, 30.421

Sweetspot

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



84, 39.961, 160.420



98, 13.146, 163.526



86, 50.854, 127.149



52, 8.719, 163.402



0, 0.000, 0.000



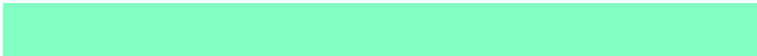
53, 0.007, 296.813

Same Dimension

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



84, 39.961, 160.420



92, 51.794, 159.284



85, 28.939, 197.480



47, 5.712, 163.772



64, 66.917, 150.031



18, 25.863, 154.257

Inverse Universe

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



67, 42.121, 348.723



70, 54.966, 349.951



66, 38.722, 23.465



45, 5.791, 345.287



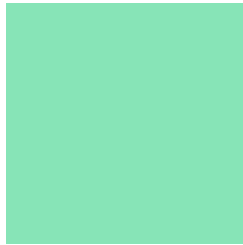
38, 64.717, 3.416



7, 27.461, 356.163

Previews

White Background



This preview shows how the CIELCh color 84, 39.960, 160.421 looks on a white background.

Color Contrast Check

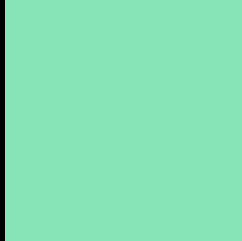
Large Text (above 18pt) WCAG AA × Fail

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, 39.960, 160.421 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, 39.960, 160.421

Background



This preview shows how black text looks on a background with the CIELCh color 84, 39.960, 160.421.

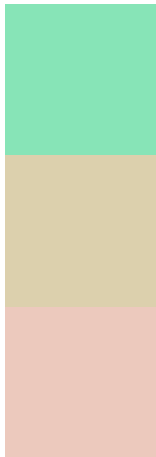


This preview shows how white text looks on a background with the CIELCh color 84, 39.960, 160.421.

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, 39.960, 160.421

Protanopia
84, 18.950, 94.282

Deuteranopia
84, 14.888, 45.202



Tritanopia
84, 23.987, 221.547

Trichromacy



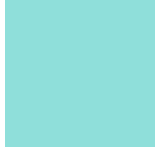
Original Color
84, 39.960, 160.421



Protanomaly
83, 22.261, 134.450



Deuteranomaly
83, 13.424, 128.572



Tritanomaly
84, 26.088, 191.767

Monochromacy



Original Color
84, 39.960, 160.421



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 15.035, 163.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 39.960, 160.421 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(135, 228, 183)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 228, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 228, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 39.960, 160.421 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(135, 228, 183) }
```

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

```
.border{ border-color:rgb(135, 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(135, 228, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 228, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 228, 183);  
box-shadow:4px 4px 4px 4px rgb(135, 228,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 39.960, 160.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 228, 183) }
```

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

```
.background{ background-color: rgb(135,  
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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