

Converting Colors

CIELCh(87, 39.899, 176.462)

Have a look what the booklet for
CIELCh(87, 39.899, 176.462)
contains.

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Color

CIELCh(87, 39.842, 176.711)

Conversions

Conversions Part 1

Format	Color
Hex	77EED4
RGB	119, 238, 212
RGB Percent	47%, 93%, 83%
CMY	0.5323, 0.0656, 0.1676
CMYK	0.50, 0.00, 0.11, 0.07
HSL	167°, 78%, 70%
HSV	167°, 50%, 93%
XYZ	50.2091, 70.0064, 73.3194
YIQ	199.4550, -62.5780, -33.3140

Conversions

Conversions Part 2

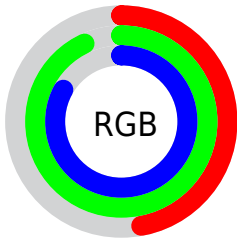
Format	Color
RYB	119, 186, 238
Decimal	7859924
CIELab	87.00, -39.78, 2.29
CIElCh	87, 39.842, 176.711
Yxy	70.0064, 0.2594, 0.3617
Android (android.graphics.Color)	4286050004 (0xFF77EED4)
YUV	199.4550, 6.1847, -70.5590
Hunter-Lab	83.6698, -39.3068, 6.6134

Details

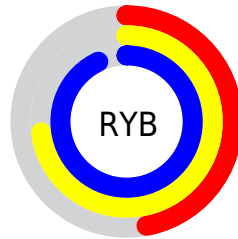
The CIELCh color **87, 39.842, 176.711** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65, 48.906, 8.859**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **67, 39.737, 176.617** is the 20% darker color. If you saturate the color by 10%, you get **86, 45.902, 175.411**, and if you desaturate by 10%, it is **88, 32.952, 177.895**.

Distribution



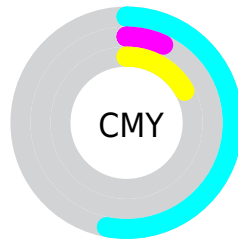
- Red (47%)
- Green (93%)
- Blue (83%)



- Red (47%)
- Yellow (73%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 39.842, 176.711 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 87, 39.842, 176.711 by changing the saturation by 10% instead.


 87, 39.842,
176.711


 87, 39.842,
176.711


 100, 39.842,
176.711


 77, 39.842,
176.711

 67, 39.842,
176.711

 57, 39.842,
176.711

 47, 39.842,
176.711

 37, 39.842,
176.711

 27, 39.842,
176.711

 17, 39.842,

176.711

■ 7, 39.842, 176.711

■ 0, 39.842, 176.711

■ 87, 39.842,
176.711

■ 87, 39.842,
176.711

■ 86, 45.902,
175.411

■ 88, 32.952,
177.895

■ 85, 51.025,
173.975

■ 89, 25.369,
178.991

■ 85, 55.162,
172.378

■ 91, 17.244,
180.018

■ 85, 58.336,
170.603

■ 92, 8.724, 181.006

■ 84, 60.737,

■ 94, 0.056, 351.581

168.677

96, 6.546, 355.601

84, 60.750,
168.666

96, 8.007, 337.956

96, 9.987, 326.570

96, 10.438,
324.775

Harmonies

Complementary

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



87, 39.842, 176.711



65, 48.906, 8.859

Rectangle

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



87, 39.842, 176.711



87, 39.842, 226.711



87, 39.842, 356.711



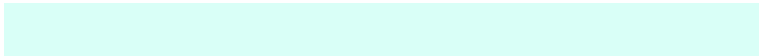
87, 39.842, 46.711

Sweetspot

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



87, 39.843, 176.710



97, 13.812, 180.502



86, 69.049, 135.012



51, 9.393, 180.294



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 39.843, 176.710



92, 48.486, 175.373



79, 29.740, 233.043



49, 5.013, 181.053



67, 49.739, 169.015



20, 20.889, 172.063

Inverse Universe

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



65, 48.906, 8.859



64, 62.076, 11.472



71, 42.302, 45.879



47, 5.195, 2.680



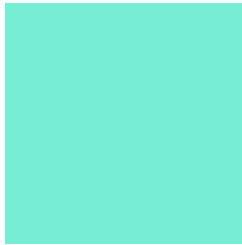
38, 71.730, 27.997



8, 28.950, 14.700

Previews

White Background



This preview shows how the CIE LCh color 87, 39.842, 176.711 looks on a white background.

Color Contrast Check

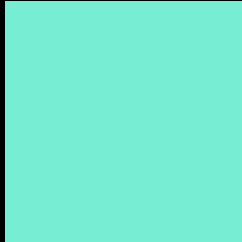
Large Text (above 18pt) WCAG AA × Fail

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 87, 39.842, 176.711 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 87, 39.842, 176.711

Background



This preview shows how black text looks on a background with the CIELCh color 87, 39.842, 176.711.

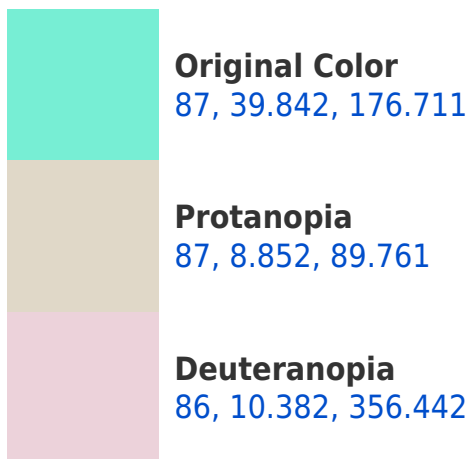


This preview shows how white text looks on a background with the CIELCh color 87, 39.842, 176.711.

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
87, 30.902, 215.524

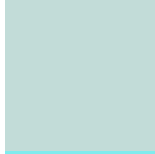
Trichromacy



Original Color
87, 39.842, 176.711



Protanomaly
86, 17.255, 160.836



Deuteranomaly
86, 9.419, 185.886

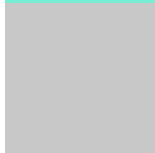


Tritanomaly
87, 32.374, 199.187

Monochromacy



Original Color
87, 39.842, 176.711



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 16.049, 178.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 39.842, 176.711 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(119, 238, 212)` looks like.

```
.text, #text, p{  
    color:rgb(119, 238, 212)  
}
```

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(119, 238, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 238, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 39.842, 176.711 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(119, 238, 212) }
```

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

```
.border{ border-color:rgb(119, 238, 212) }
```

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

Here you see how a box with a 4 pixel rgb(119, 238, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 238, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 238, 212);  
box-shadow:4px 4px 4px 4px rgb(119, 238,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 39.842, 176.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 238, 212) }
```

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

```
.background{ background-color: rgb(119,  
238, 212) }
```

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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