

Converting Colors

CIELCh(87, 48.555, 156.502)

Have a look what the booklet for
CIELCh(87, 48.555, 156.502)
contains.

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Color

CIELCh(87, 48.117, 156.689)

Conversions

Conversions Part 1

Format	Color
Hex	83EFB4
RGB	131, 239, 180
RGB Percent	51%, 94%, 71%
CMY	0.4854, 0.0619, 0.2933
CMYK	0.45, 0.00, 0.25, 0.06
HSL	147°, 77%, 73%
HSV	147°, 45%, 94%
XYZ	48.5825, 70.0064, 54.2413
YIQ	199.9820, -45.4290, -41.2450

Conversions

Conversions Part 2

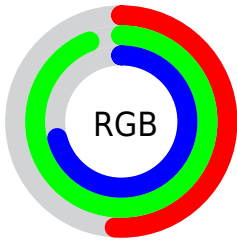
Format	Color
RYB	131, 205, 239
Decimal	8646580
CIELab	87.00, -44.19, 19.04
CIElCh	87, 48.117, 156.689
Yxy	70.0064, 0.2811, 0.4051
Android (android.graphics.Color)	4286836660 (0xFF83EFB4)
YUV	199.9820, -9.8511, -60.4972
Hunter-Lab	83.6698, -42.7771, 20.1325

Details

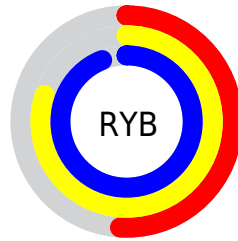
The CIELCh color **87, 48.117, 156.689** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68, 50.010, 345.642**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.425, 174.278**, and **67, 47.953, 156.758** is the 20% darker color. If you saturate the color by 10%, you get **86, 57.703, 155.277**, and if you desaturate by 10%, it is **88, 37.931, 157.928**.

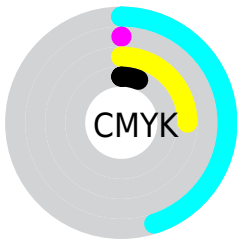
Distribution



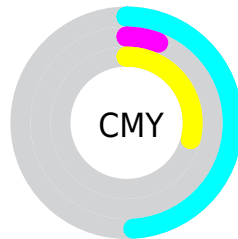
- Red (51%)
- Green (94%)
- Blue (71%)



- Red (51%)
- Yellow (80%)
- Blue (94%)



- Cyan (45%)
- Magenta (0%)
- Yellow (25%)
- Black (6%)



- Cyan (49%)
- Magenta (6%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 48.117, 156.689 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, 48.117, 156.689 by changing the saturation by 10% instead.

■ 87, 48.117,
156.689

■ 87, 48.117,
156.689

■ 100, 48.117,
156.689

■ 77, 48.117,
156.689

■ 67, 48.117,
156.689

■ 57, 48.117,
156.689


■ 47, 48.117,
156.689


■ 37, 48.117,
156.689

■ 27, 48.117,
156.689

■ 17, 48.117,


156.689


 7, 48.117, 156.689


 0, 48.117, 156.689


 87, 48.117,
156.689

 87, 48.117,
156.689


 86, 57.703,
155.277

 88, 37.931,
157.928

 85, 66.502,
153.671


 90, 27.332,
159.020

 84, 74.368,
151.853

 92, 16.502,
159.993

 84, 81.218,
149.823


 93, 5.595, 160.904

 84, 87.060,

 96, 5.262, 341.511

147.613

 96, 9.837, 324.752

 83, 89.624,
146.532

Harmonies

Complementary

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



87, 48.117, 156.689



68, 50.010, 345.642

Rectangle

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



87, 48.117, 156.689



87, 48.117, 206.689



87, 48.117, 336.689



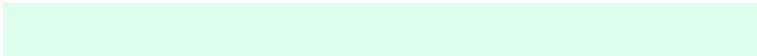
87, 48.117, 26.689

Sweetspot

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



87, 48.118, 156.688



97, 16.060, 160.095



89, 57.519, 125.125



51, 11.088, 159.895



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, 48.118, 156.688



91, 59.626, 155.421



88, 33.186, 192.339



49, 6.195, 160.508



66, 72.855, 146.943



20, 29.439, 150.686

Inverse Universe

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



68, 50.010, 345.642



68, 61.998, 346.888



67, 44.615, 20.589



47, 6.260, 341.953



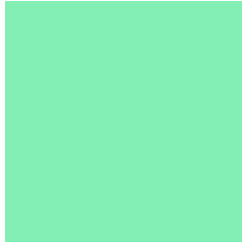
40, 66.934, 357.646



8, 29.938, 352.076

Previews

White Background



This preview shows how the CIE LCh color 87, 48.117, 156.689 looks on a white background.

Color Contrast Check

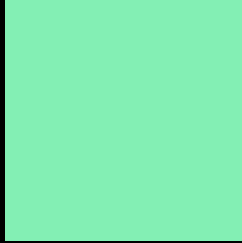
Large Text (above 18pt) WCAG AA × Fail

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, 48.117, 156.689 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, 48.117, 156.689

Background



This preview shows how black text looks on a background with the CIELCh color 87, 48.117, 156.689.

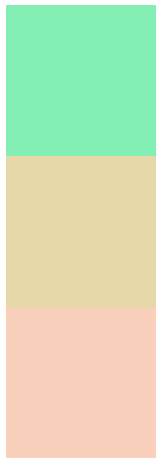


This preview shows how white text looks on a background with the CIELCh color 87, 48.117, 156.689.

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
87, 48.117, 156.689

Protanopia
86, 25.160, 94.512

Deuteranopia
86, 19.109, 55.039

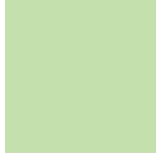


Tritanopia
87, 26.484, 220.171

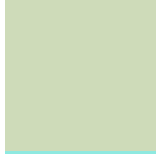
Trichromacy



Original Color
87, 48.117, 156.689



Protanomaly
86, 28.717, 130.413

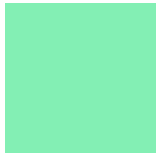


Deuteranomaly
86, 18.418, 124.071

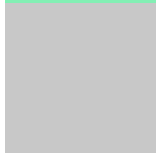


Tritanomaly
87, 29.530, 188.182

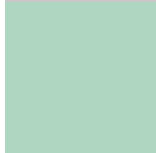
Monochromacy



Original Color
87, 48.117, 156.689



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 18.023, 160.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 48.117, 156.689 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(131, 239, 180)` looks like.

```
.text, #text, p{  
    color:rgb(131, 239, 180)  
}
```

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(131, 239, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 239, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 48.117, 156.689 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(131, 239, 180) }
```

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

```
.border{ border-color:rgb(131, 239, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 239, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 239, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 239, 180);  
box-shadow:4px 4px 4px 4px rgb(131, 239,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 48.117, 156.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 239, 180) }
```

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

```
.background{ background-color: rgb(131,  
239, 180) }
```

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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