

Converting Colors

CIELCh(87, 61.850, 146.606)

Have a look what the booklet for
CIELCh(87, 61.850, 146.606)
contains.

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Color

CIELCh(87, 61.882, 146.598)

Conversions

Conversions Part 1

Format	Color
Hex	7FF297
RGB	127, 242, 151
RGB Percent	50%, 95%, 59%
CMY	0.5033, 0.0523, 0.4091
CMYK	0.48, 0.00, 0.38, 0.05
HSL	133°, 81%, 72%
HSV	133°, 48%, 95%
XYZ	45.9091, 70.0064, 40.2349
YIQ	197.2410, -39.3290, -52.6810

Conversions

Conversions Part 2

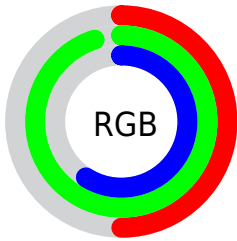
Format	Color
RYB	127, 222, 242
Decimal	8385175
CIELab	87.00, -51.66, 34.07
CIELCh	87, 61.882, 146.598
Yxy	70.0064, 0.2940, 0.4483
Android (android.graphics.Color)	4286575255 (0xFF7FF297)
YUV	197.2410, -22.7968, -61.6014
Hunter-Lab	83.6698, -48.4804, 30.0576

Details

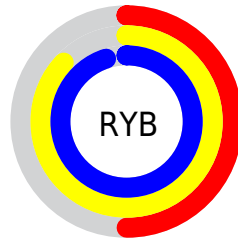
The CIELCh color **87, 61.882, 146.598** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **69, 61.867, 334.070**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 35.349, 152.080**, and **67, 61.888, 146.615** is the 20% darker color. If you saturate the color by 10%, you get **86, 73.606, 145.274**, and if you desaturate by 10%, it is **88, 49.394, 147.755**.

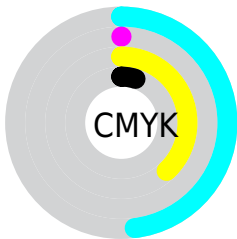
Distribution



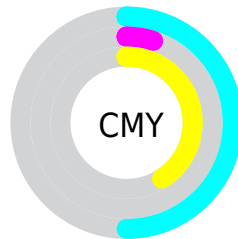
- Red (50%)
- Green (95%)
- Blue (59%)



- Red (50%)
- Yellow (87%)
- Blue (95%)



- Cyan (48%)
- Magenta (0%)
- Yellow (38%)
- Black (5%)





- Cyan (50%)
- Magenta (5%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 61.882, 146.598 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, 61.882, 146.598 by changing the saturation by 10% instead.


 87, 61.882,
146.598


 87, 61.882,
146.598


 100, 61.882,
146.598


 77, 61.882,
146.598

 67, 61.882,
146.598

 57, 61.882,
146.598

 47, 61.882,
146.598

 37, 61.882,
146.598


 27, 61.882,
146.598


 17, 61.882,


146.598

 7, 61.882, 146.598

 0, 61.882, 146.598


 87, 61.882,
146.598


 87, 61.882,
146.598


 86, 73.606,
145.274


 88, 49.394,
147.755

 85, 84.265,
143.786


 90, 36.419,
148.757

 84, 93.575,
142.162

 92, 23.207,
149.623

 84, 101.282,
140.467

 94, 9.964, 150.385

 84, 107.207,

 96, 3.153, 330.875

138.819

97, 8.315, 324.694

84, 108.399,
138.471

Harmonies

Complementary

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



87, 61.882, 146.598



69, 61.867, 334.070

Rectangle

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



87, 61.882, 146.598



87, 61.882, 196.598



87, 61.882, 326.598



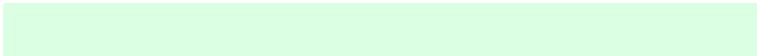
87, 61.882, 16.598

Sweetspot

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



87, 61.883, 146.598



97, 19.270, 149.903



92, 57.945, 114.785



51, 13.315, 149.734



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, 61.883, 146.598



90, 76.164, 145.334



88, 41.314, 170.822



49, 7.420, 150.246



65, 87.602, 138.765



19, 35.601, 141.900

Inverse Universe

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



69, 61.867, 334.070



68, 75.490, 334.800



67, 47.705, 2.270



47, 7.445, 331.411



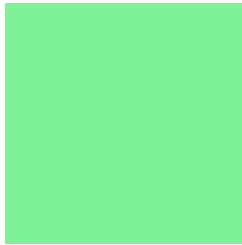
42, 76.819, 338.700



9, 34.268, 336.954

Previews

White Background



This preview shows how the CIE LCh color 87, 61.882, 146.598 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, 61.882, 146.598 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, 61.882, 146.598

Background



This preview shows how black text looks on a background with the CIELCh color 87, 61.882, 146.598.

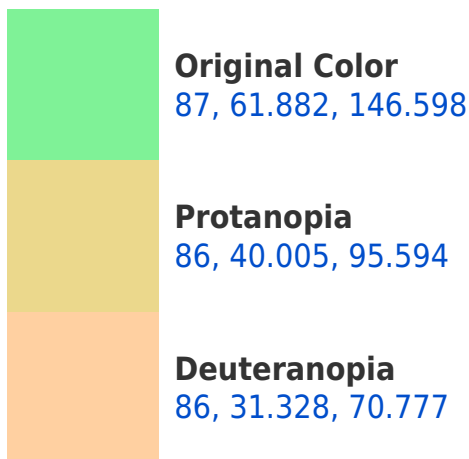


This preview shows how white text looks on a background with the CIELCh color 87, 61.882, 146.598.

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



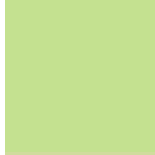


Tritanopia
87, 26.132, 219.240

Trichromacy



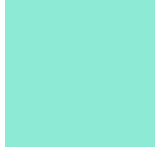
Original Color
87, 61.882, 146.598



Protanomaly
86, 43.094, 122.037



Deuteranomaly
86, 32.920, 115.628



Tritanomaly
87, 32.498, 177.354

Monochromacy



Original Color
87, 61.882, 146.598



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 23.402, 149.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 61.882, 146.598 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(127, 242, 151)` looks like.

```
.text, #text, p{  
    color:rgb(127, 242, 151)  
}
```

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(127, 242, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 242, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 61.882, 146.598 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(127, 242, 151) }
```

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

```
.border{ border-color:rgb(127, 242, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 242, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 242, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 242, 151); box-shadow:4px 4px 4px 4px rgb(127, 242, 151) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 61.882, 146.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 242, 151) }
```

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

```
.background{ background-color: rgb(127,  
242, 151) }
```

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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