

Converting Colors

CIELCh(87, 73.820, 138.918)

Have a look what the booklet for
CIELCh(87, 73.820, 138.918)
contains.

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Color

CIELCh(87, 74.049, 138.967)

Conversions

Conversions Part 1

Format	Color
Hex	81F379
RGB	129, 243, 121
RGB Percent	51%, 95%, 47%
CMY	0.4949, 0.0478, 0.5262
CMYK	0.47, 0.00, 0.50, 0.05
HSL	116°, 83%, 71%
HSV	116°, 50%, 95%
XYZ	44.4515, 70.0064, 29.1992
YIQ	195.0060, -28.7820, -62.1100

Conversions

Conversions Part 2

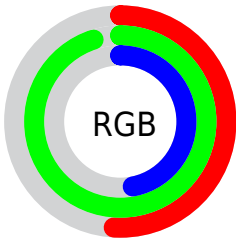
Format	Color
RYB	121, 243, 235
Decimal	8516473
CIELab	87.00, -55.86, 48.61
CIELCh	87, 74.049, 138.967
Yxy	70.0064, 0.3094, 0.4873
Android (android.graphics.Color)	4286706553 (0xFF81F379)
YUV	195.0060, -36.4850, -57.8873
Hunter-Lab	83.6698, -51.5900, 37.8777

Details

The CIELCh color **87, 74.049, 138.967** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68, 74.124, 325.087**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 47.549, 138.147**, and **67, 74.299, 138.893** is the 20% darker color. If you saturate the color by 10%, you get **86, 86.827, 138.004**, and if you desaturate by 10%, it is **88, 60.103, 139.894**.

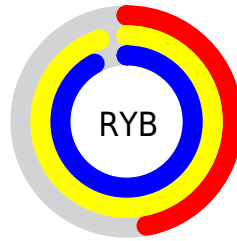
Distribution



Red (51%)

Green (95%)

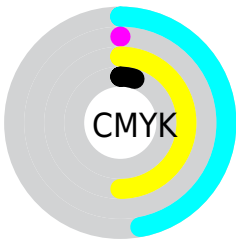
Blue (47%)



Red (47%)

Yellow (95%)

Blue (92%)

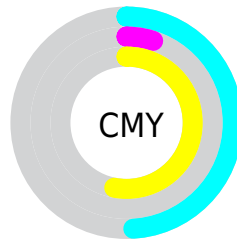


Cyan (47%)

Magenta (0%)

Yellow (50%)

Black (5%)



Cyan (49%)

Magenta (5%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 74.049, 138.967 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, 74.049, 138.967 by changing the saturation by 10% instead.

■ 87, 74.049,
138.967

■ 87, 74.049,
138.967

■ 100, 74.049,
138.967

■ 77, 74.049,
138.967

■ 67, 74.049,
138.967

■ 57, 74.049,
138.967

■ 47, 74.049,
138.967

■ 37, 74.049,
138.967

■ 27, 74.049,
138.967


■ 17, 74.049,


138.967


 7, 74.049, 138.967


 0, 74.049, 138.967


 87, 74.049,
138.967


 87, 74.049,
138.967

 86, 86.827,
138.004


 88, 60.103,
139.894


 85, 97.867,
137.089


 90, 45.443,
140.739

 85, 106.531,
136.352

 92, 30.429,
141.485

 84, 112.264,
135.930

 94, 15.331,
142.135

 84, 115.088,

 96, 0.347, 143.475

135.811



97, 7.600, 324.665

Harmonies

Complementary

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



87, 74.049, 138.967



68, 74.124, 325.087

Rectangle

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



87, 74.049, 138.967



87, 74.049, 188.967



87, 74.049, 318.967



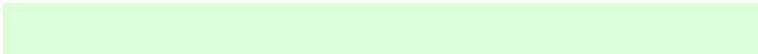
87, 74.049, 8.967

Sweetspot

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



87, 74.050, 138.968



97, 23.427, 141.834



92, 56.927, 102.177



51, 15.996, 141.695



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, 74.050, 138.968



90, 90.007, 138.011



88, 54.653, 155.036



50, 8.561, 142.181



66, 94.200, 135.745



21, 40.543, 136.416

Inverse Universe

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



68, 74.124, 325.087



67, 89.713, 325.427



67, 56.534, 345.159



48, 8.584, 323.141



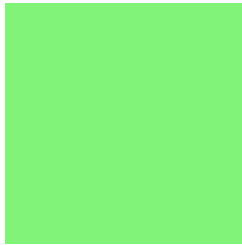
42, 91.569, 325.675



10, 40.687, 326.009

Previews

White Background



This preview shows how the CIE LCh color 87, 74.049, 138.967 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, 74.049, 138.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

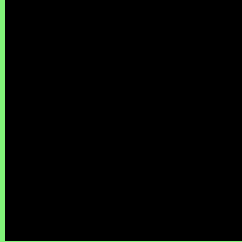
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 74.049, 138.967

Background



This preview shows how black text looks on a background with the CIELCh color 87, 74.049, 138.967.

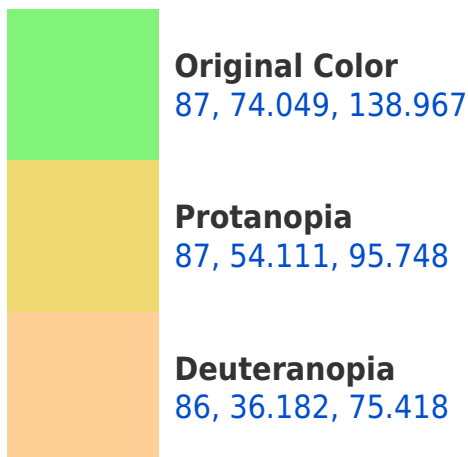


This preview shows how white text looks on a background with the CIELCh color 87, 74.049, 138.967.

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, 24.687, 220.649

Trichromacy



Original Color
87, 74.049, 138.967



Protanomaly
86, 56.888, 116.604



Deuteranomaly
86, 42.321, 113.130

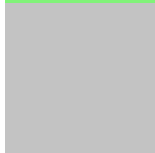


Tritanomaly
87, 34.854, 167.320

Monochromacy



Original Color
87, 74.049, 138.967



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 27.926, 141.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 74.049, 138.967 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(129, 243, 121)` looks like.

```
.text, #text, p{  
    color:rgb(129, 243, 121)  
}
```

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(129, 243, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 243, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 74.049, 138.967 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(129, 243, 121) }
```

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

```
.border{ border-color:rgb(129, 243, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 243, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 243, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 243, 121);  
box-shadow:4px 4px 4px 4px rgb(129, 243,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 74.049, 138.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 243, 121) }
```

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

```
.background{ background-color: rgb(129,  
243, 121) }
```

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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