

Converting Colors

CIELCh(87, 67.276, 138.196)

Have a look what the booklet for
CIELCh(87, 67.276, 138.196)
contains.

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Color

CIELCh(87, 67.476, 138.179)

Conversions

Conversions Part 1

Format	Color
Hex	8EF181
RGB	142, 241, 129
RGB Percent	56%, 95%, 51%
CMY	0.4445, 0.0562, 0.4953
CMYK	0.41, 0.00, 0.47, 0.06
HSL	113°, 80%, 72%
HSV	113°, 47%, 94%
XYZ	46.3937, 70.0064, 31.7271
YIQ	198.6310, -23.0520, -55.8200

Conversions

Conversions Part 2

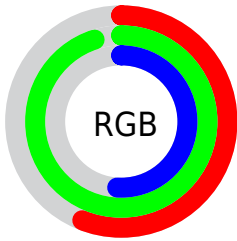
Format	Color
RYB	129, 241, 228
Decimal	9367937
CIELab	87.00, -50.29, 44.99
CIELCh	87, 67.476, 138.179
Yxy	70.0064, 0.3132, 0.4726
Android (android.graphics.Color)	4287558017 (0xFF8EF181)
YUV	198.6310, -34.3281, -49.6654
Hunter-Lab	83.6698, -47.4465, 36.0865

Details

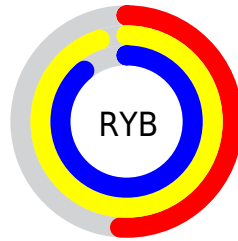
The CIELCh color **87, 67.476, 138.179** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68, 68.001, 323.405**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 41.409, 136.622**, and **67, 67.281, 138.118** is the 20% darker color. If you saturate the color by 10%, you get **86, 80.569, 137.336**, and if you desaturate by 10%, it is **88, 53.481, 138.989**.

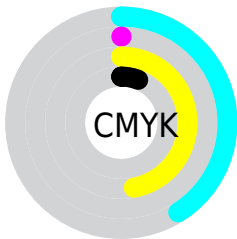
Distribution



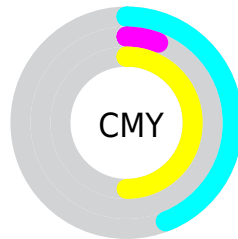
- Red (56%)
- Green (95%)
- Blue (51%)



- Red (51%)
- Yellow (95%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (47%)
- Black (6%)



- Cyan (44%)
- Magenta (6%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 67.476, 138.179 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, 67.476, 138.179 by changing the saturation by 10% instead.

■ 87, 67.476,
138.179

■ 87, 67.476,
138.179

■ 100, 67.476,
138.179

■ 77, 67.476,
138.179

■ 67, 67.476,
138.179

■ 57, 67.476,
138.179

■ 47, 67.476,
138.179

■ 37, 67.476,
138.179


■ 27, 67.476,
138.179


■ 17, 67.476,


138.179


 7, 67.476, 138.179


 0, 67.476, 138.179


 87, 67.476,
138.179


 87, 67.476,
138.179

 86, 80.569,
137.336


 88, 53.481,
138.989

 85, 92.254,
136.531


 90, 38.972,
139.729

 84, 101.922,
135.877

 92, 24.246,
140.385

 84, 108.955,
135.512

 94, 9.522, 140.967

 83, 112.997,

 96, 5.042, 321.372

135.523



96, 8.936, 324.718



83, 113.908,
135.546

Harmonies

Complementary

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



87, 67.476, 138.179



68, 68.001, 323.405

Rectangle

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



87, 67.476, 138.179



87, 67.476, 188.179



87, 67.476, 318.179



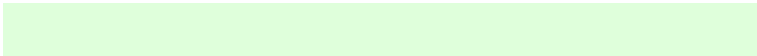
87, 67.476, 8.179

Sweetspot

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



87, 67.477, 138.180



97, 21.503, 140.535



90, 50.350, 99.887



51, 14.858, 140.404



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, 67.477, 138.180



90, 83.716, 137.366



87, 52.696, 153.318



49, 8.279, 140.800



65, 92.858, 135.444



20, 38.708, 135.980

Inverse Universe

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



68, 68.001, 323.405



67, 84.199, 323.736



68, 53.911, 341.981



47, 8.310, 321.701



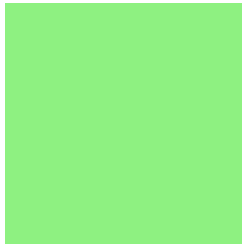
40, 91.049, 323.761



9, 39.683, 324.366

Previews

White Background



This preview shows how the CIE LCh color 87, 67.476, 138.179 looks on a white background.

Color Contrast Check

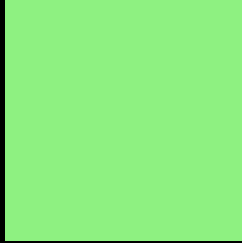
Large Text (above 18pt) WCAG AA × Fail

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, 67.476, 138.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

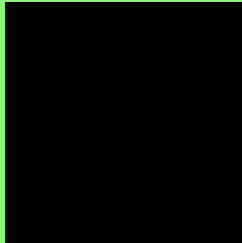
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 67.476, 138.179

Background



This preview shows how black text looks on a background with the CIELCh color 87, 67.476, 138.179.

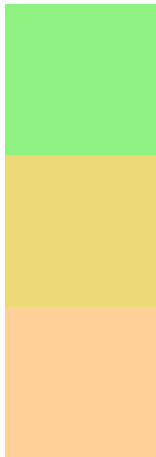


This preview shows how white text looks on a background with the CIELCh color 87, 67.476, 138.179.

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, 67.476, 138.179

Protanopia
87, 50.292, 95.878

Deuteranopia
87, 35.011, 75.255

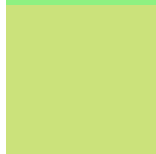


Tritanopia
87, 21.887, 225.490

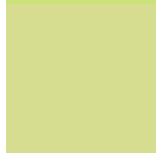
Trichromacy



Original Color
87, 67.476, 138.179



Protanomaly
86, 52.901, 115.933



Deuteranomaly
86, 39.654, 110.864

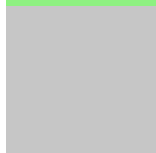


Tritanomaly
87, 30.332, 167.282

Monochromacy



Original Color
87, 67.476, 138.179



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 25.521, 140.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 67.476, 138.179 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(142, 241, 129)` looks like.

```
.text, #text, p{  
    color:rgb(142, 241, 129)  
}
```

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(142, 241, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 241, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 67.476, 138.179 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(142, 241, 129) }
```

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

```
.border{ border-color:rgb(142, 241, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 241, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 241, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 241, 129);  
box-shadow:4px 4px 4px 4px rgb(142, 241,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 67.476, 138.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 241, 129) }
```

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

```
.background{ background-color: rgb(142,  
241, 129) }
```

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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