

Converting Colors

CIELCh(87, 60.199, 140.838)

Have a look what the booklet for
CIELCh(87, 60.199, 140.838)
contains.

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Color

CIELCh(87, 60.046, 140.908)

Conversions

Conversions Part 1

Format	Color
Hex	91EF8F
RGB	145, 239, 143
RGB Percent	57%, 94%, 56%
CMY	0.4299, 0.0612, 0.4378
CMYK	0.39, 0.00, 0.40, 0.06
HSL	119°, 75%, 75%
HSV	119°, 40%, 94%
XYZ	47.7075, 70.0064, 37.1257
YIQ	199.9500, -25.2080, -49.7840

Conversions

Conversions Part 2

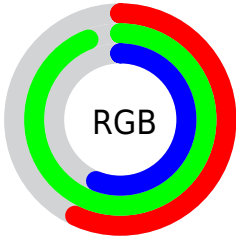
Format	Color
RYB	143, 239, 237
Decimal	9564047
CIELab	87.00, -46.60, 37.86
CIElCh	87, 60.046, 140.908
Yxy	70.0064, 0.3081, 0.4521
Android (android.graphics.Color)	4287754127 (0xFF91EF8F)
YUV	199.9500, -28.0763, -48.1911
Hunter-Lab	83.6698, -44.6437, 32.2609

Details

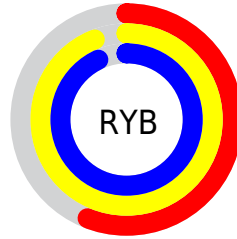
The CIELCh color **87, 60.046, 140.908** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72, 60.015, 325.976**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 34.925, 141.208**, and **67, 59.862, 140.828** is the 20% darker color. If you saturate the color by 10%, you get **86, 73.956, 139.890**, and if you desaturate by 10%, it is **89, 45.381, 141.823**.

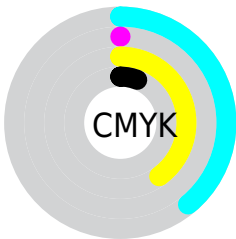
Distribution



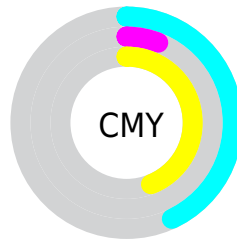
- Red (57%)
- Green (94%)
- Blue (56%)



- Red (56%)
- Yellow (94%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (40%)
- Black (6%)



- Cyan (43%)
- Magenta (6%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 60.046, 140.908 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, 60.046, 140.908 by changing the saturation by 10% instead.

■ 87, 60.046,
140.908

■ 87, 60.046,
140.908

■ 100, 60.046,
140.908

■ 77, 60.046,
140.908

■ 67, 60.046,
140.908

■ 57, 60.046,
140.908

■ 47, 60.046,
140.908

■ 37, 60.046,
140.908


■ 27, 60.046,
140.908


■ 17, 60.046,


140.908


 7, 60.046, 140.908


 0, 60.046, 140.908


 87, 60.046,
140.908


 87, 60.046,
140.908


 86, 73.956,
139.890


 89, 45.381,
141.823

 85, 86.635,
138.810


 90, 30.331,
142.623

 84, 97.514,
137.752

 92, 15.188,
143.315


 83, 105.966,
136.848

 95, 0.162, 145.661

 83, 111.459,

 96, 9.733, 324.748

136.243

 83, 114.086,
135.953

Harmonies

Complementary

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



87, 60.046, 140.908



72, 60.015, 325.976

Rectangle

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



87, 60.046, 140.908



87, 60.046, 190.908



87, 60.046, 320.908



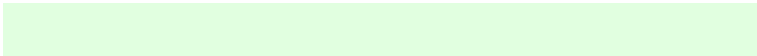
87, 60.046, 10.908

Sweetspot

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



87, 60.047, 140.908



97, 18.986, 143.189



92, 46.879, 104.805



52, 12.602, 143.102



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, 60.047, 140.908



91, 74.815, 140.096



88, 42.619, 157.967



49, 8.536, 143.357



65, 93.474, 135.928



19, 39.497, 137.471

Inverse Universe

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



72, 60.015, 325.976



73, 74.599, 326.343



71, 44.327, 345.755



47, 8.552, 324.371



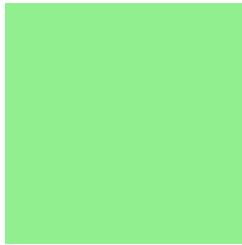
43, 90.380, 327.403



10, 39.449, 327.518

Previews

White Background



This preview shows how the CIE LCh color 87, 60.046, 140.908 looks on a white background.

Color Contrast Check

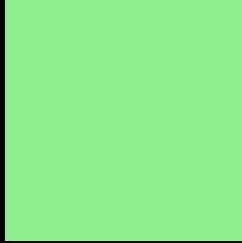
Large Text (above 18pt) WCAG AA × Fail

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, 60.046, 140.908 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, 60.046, 140.908

Background



This preview shows how black text looks on a background with the CIELCh color 87, 60.046, 140.908.

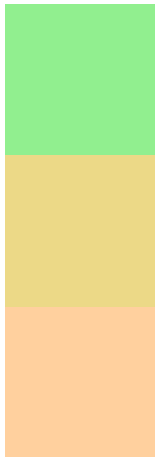


This preview shows how white text looks on a background with the CIELCh color 87, 60.046, 140.908.

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, 60.046, 140.908

Protanopia
87, 42.916, 96.063

Deuteranopia
86, 32.630, 72.197



Tritanopia
87, 21.638, 225.842

Trichromacy



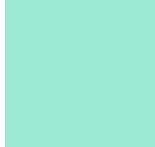
Original Color
87, 60.046, 140.908



Protanomaly
86, 45.293, 117.603



Deuteranomaly
86, 34.127, 109.927



Tritanomaly
87, 28.043, 172.019

Monochromacy



Original Color
87, 60.046, 140.908



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 22.436, 142.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 60.046, 140.908 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(145, 239, 143)` looks like.

```
.text, #text, p{  
    color:rgb(145, 239, 143)  
}
```

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(145, 239, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 239, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 60.046, 140.908 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(145, 239, 143) }
```

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

```
.border{ border-color:rgb(145, 239, 143) }
```

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

Here you see how a box with a 4 pixel rgb(145, 239, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 239, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 239, 143);  
box-shadow:4px 4px 4px 4px rgb(145, 239,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 60.046, 140.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 239, 143) }
```

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

```
.background{ background-color: rgb(145,  
239, 143) }
```

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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