

Converting Colors

CIELCh(87, 51.206, 146.196)

Have a look what the booklet for
CIELCh(87, 51.206, 146.196)
contains.

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Color

CIELCh(87, 51.235, 146.249)

Conversions

Conversions Part 1

Format	Color
Hex	93EEA2
RGB	147, 238, 162
RGB Percent	58%, 93%, 64%
CMY	0.4233, 0.0664, 0.3645
CMYK	0.38, 0.00, 0.32, 0.07
HSL	130°, 73%, 76%
HSV	130°, 38%, 93%
XYZ	49.1642, 70.0064, 45.1320
YIQ	202.1270, -29.8400, -42.9280

Conversions

Conversions Part 2

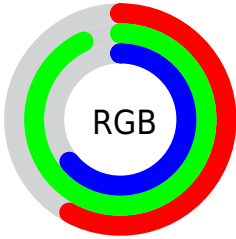
Format	Color
RYB	147, 225, 238
Decimal	9694882
CIELab	87.00, -42.60, 28.47
CIElCh	87, 51.235, 146.249
Yxy	70.0064, 0.2992, 0.4261
Android (android.graphics.Color)	4287884962 (0xFF93EEA2)
YUV	202.1270, -19.7826, -48.3464
Hunter-Lab	83.6698, -41.5360, 26.5875

Details

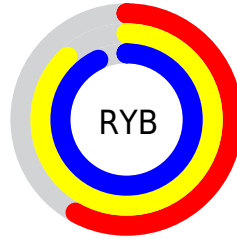
The CIELCh color **87, 51.235, 146.249** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **73, 51.305, 331.737**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 26.657, 151.058**, and **67, 50.759, 146.291** is the 20% darker color. If you saturate the color by 10%, you get **86, 63.935, 145.107**, and if you desaturate by 10%, it is **89, 38.015, 147.239**.

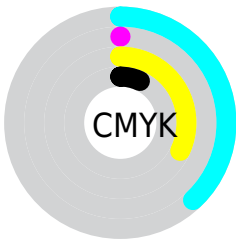
Distribution



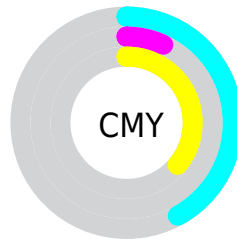
- Red (58%)
- Green (93%)
- Blue (64%)



- Red (58%)
- Yellow (88%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (32%)
- Black (7%)




- Cyan (42%)
- Magenta (7%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 51.235, 146.249 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, 51.235, 146.249 by changing the saturation by 10% instead.

 87, 51.235,
146.249

 87, 51.235,
146.249

 100, 51.235,
146.249


 77, 51.235,
146.249

 67, 51.235,
146.249

 57, 51.235,
146.249

 47, 51.235,
146.249

 37, 51.235,
146.249


 27, 51.235,
146.249


 17, 51.235,


146.249


 7, 51.235, 146.249


 0, 51.235, 146.249

 87, 51.235,
146.249

 87, 51.235,
146.249


 86, 63.935,
145.107


 89, 38.015,
147.239

 85, 75.806,
143.808


 90, 24.537,
148.094


 84, 86.517,
142.367

 92, 11.020,
148.839


 83, 95.737,
140.828


 95, 2.369, 329.290

 83, 103.155,

 96, 10.559,
324.779

139.275

 83, 108.550,
137.852

 83, 109.317,
137.644

Harmonies

Complementary

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



87, 51.235, 146.249



73, 51.305, 331.737

Rectangle

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



87, 51.235, 146.249



87, 51.235, 196.249



87, 51.235, 326.249



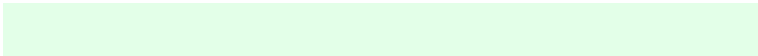
87, 51.235, 16.249

Sweetspot

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



87, 51.236, 146.249



97, 15.609, 148.637



91, 46.271, 113.197



52, 10.496, 148.538



0, 0.000, 0.000



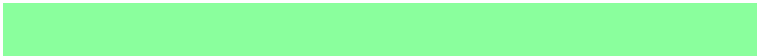
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 51.236, 146.249



91, 64.658, 145.355



88, 34.928, 168.628



49, 7.661, 148.750



65, 89.461, 137.883



19, 36.465, 140.930

Inverse Universe

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



73, 51.305, 331.737



73, 64.530, 332.263



71, 38.381, 357.043



47, 7.681, 329.879



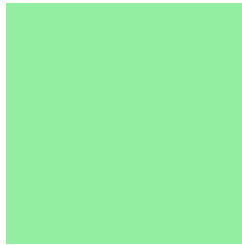
42, 79.403, 336.085



9, 35.277, 334.821

Previews

White Background



This preview shows how the CIE LCh color 87, 51.235, 146.249 looks on a white background.

Color Contrast Check

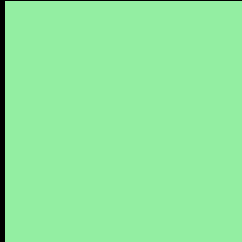
Large Text (above 18pt) WCAG AA × Fail

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, 51.235, 146.249 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, 51.235, 146.249

Background



This preview shows how black text looks on a background with the CIELCh color 87, 51.235, 146.249.

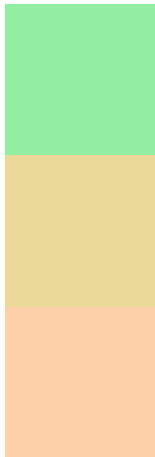


This preview shows how white text looks on a background with the CIELCh color 87, 51.235, 146.249.

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, 51.235, 146.249

Protanopia
87, 33.850, 95.676

Deuteranopia
87, 27.691, 66.885

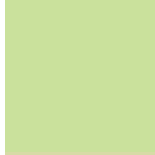


Tritanopia
87, 21.962, 223.809

Trichromacy



Original Color
87, 51.235, 146.249



Protanomaly
86, 36.661, 121.349



Deuteranomaly
86, 27.527, 111.083

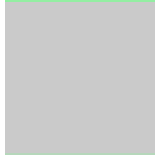


Tritanomaly
87, 26.515, 177.926

Monochromacy



Original Color
87, 51.235, 146.249



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 19.186, 147.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 51.235, 146.249 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(147, 238, 162)` looks like.

```
.text, #text, p{  
    color:rgb(147, 238, 162)  
}
```

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(147, 238, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 238, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 51.235, 146.249 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(147, 238, 162) }
```

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

```
.border{ border-color:rgb(147, 238, 162) }
```

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

Here you see how a box with a 4 pixel rgb(147, 238, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 238, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 238, 162);  
box-shadow:4px 4px 4px 4px rgb(147, 238,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 51.235, 146.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 238, 162) }
```

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

```
.background{ background-color: rgb(147,  
238, 162) }
```

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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