

Converting Colors

CIELCh(87, 51.836, 138.798)

Have a look what the booklet for
CIELCh(87, 51.836, 138.798)
contains.

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Color

CIELCh(87, 51.701, 138.690)

Conversions

Conversions Part 1

Format	Color
Hex	A2EC97
RGB	162, 236, 151
RGB Percent	64%, 93%, 59%
CMY	0.3642, 0.0739, 0.4073
CMYK	0.31, 0.00, 0.36, 0.07
HSL	112°, 69%, 76%
HSV	112°, 36%, 93%
XYZ	50.5607, 70.0064, 40.1821
YIQ	204.1840, -16.8190, -42.1230

Conversions

Conversions Part 2

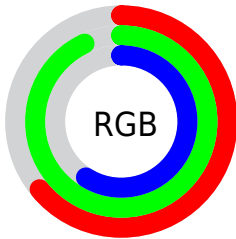
Format	Color
RYB	151, 236, 225
Decimal	10677399
CIELab	87.00, -38.84, 34.13
CIELCh	87, 51.701, 138.690
Yxy	70.0064, 0.3145, 0.4355
Android (android.graphics.Color)	4288867479 (0xFFA2EC97)
YUV	204.1840, -26.2197, -36.9954
Hunter-Lab	83.6698, -38.5568, 30.0951

Details

The CIELCh color **87, 51.701, 138.690** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72, 52.170, 322.558**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 28.223, 135.925**, and **67, 51.957, 138.777** is the 20% darker color. If you saturate the color by 10%, you get **86, 65.477, 137.907**, and if you desaturate by 10%, it is **89, 37.453, 139.408**.

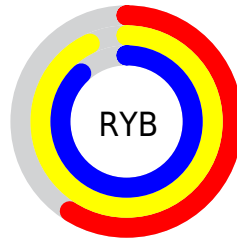
Distribution



Red (64%)

Green (93%)

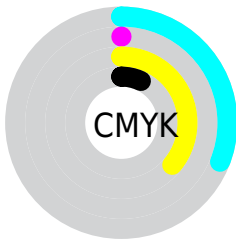
Blue (59%)



Red (59%)

Yellow (93%)

Blue (88%)

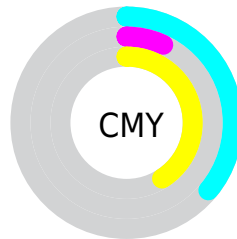


Cyan (31%)

Magenta (0%)

Yellow (36%)

Black (7%)



Cyan (36%)

Magenta (7%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 51.701, 138.690 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, 51.701, 138.690 by changing the saturation by 10% instead.

■ 87, 51.701,
138.690

■ 87, 51.701,
138.690

■ 100, 51.701,
138.690

■ 77, 51.701,
138.690

■ 67, 51.701,
138.690

■ 57, 51.701,
138.690

■ 47, 51.701,
138.690

■ 37, 51.701,
138.690


■ 27, 51.701,
138.690


■ 17, 51.701,


138.690

 7, 51.701, 138.690


 0, 51.701, 138.690


 87, 51.701,
138.690


 87, 51.701,
138.690

 86, 65.477,
137.907


 89, 37.453,
139.408

 85, 78.405,
137.093


 90, 23.009,
140.045


 84, 90.003,
136.319

 92, 8.578, 140.615

 83, 99.681,
135.695

 94, 5.692, 321.013

 95, 11.764,
324.824

 82, 106.825,

135.357

■ 82, 111.050,
135.398

■ 82, 112.137,
135.447

Harmonies

Complementary

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



87, 51.701, 138.690



72, 52.170, 322.558

Rectangle

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



87, 51.701, 138.690



87, 51.701, 188.690



87, 51.701, 318.690



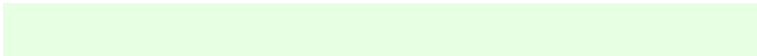
87, 51.701, 8.690

Sweetspot

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



87, 51.703, 138.691



98, 16.797, 140.334



89, 38.067, 100.138



52, 11.294, 140.256



0, 0.000, 0.000



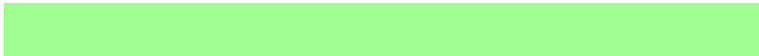
53, 0.007, 296.813

Same Dimension

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



87, 51.703, 138.691



92, 65.350, 138.133



87, 41.177, 153.898



48, 8.100, 140.422



64, 91.763, 135.335



19, 37.135, 136.146

Inverse Universe

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



72, 52.170, 322.558



74, 65.972, 322.859



73, 41.975, 340.050



46, 8.132, 321.307



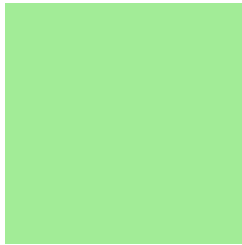
39, 90.238, 323.261



8, 38.552, 323.961

Previews

White Background



This preview shows how the CIE LCh color 87, 51.701, 138.690 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, 51.701, 138.690 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, 51.701, 138.690

Background



This preview shows how black text looks on a background with the CIELCh color 87, 51.701, 138.690.

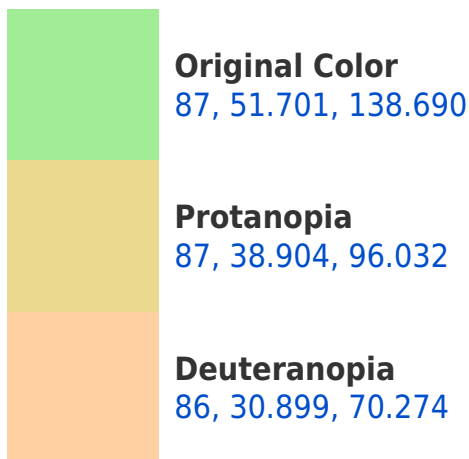



This preview shows how white text looks on a background with the CIELCh color 87, 51.701, 138.690.

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



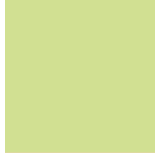


Tritanopia
87, 17.668, 230.980

Trichromacy



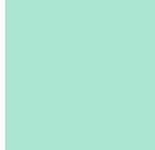
Original Color
87, 51.701, 138.690



Protanomaly
86, 40.441, 115.277



Deuteranomaly
86, 31.086, 105.322

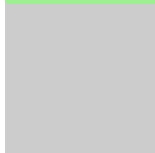


Tritanomaly
87, 22.250, 171.281

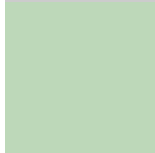
Monochromacy



Original Color
87, 51.701, 138.690



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 19.187, 140.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 51.701, 138.690 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(162, 236, 151)` looks like.

```
.text, #text, p{  
    color:rgb(162, 236, 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(162, 236, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 236, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 51.701, 138.690 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(162, 236, 151) }
```

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

```
.border{ border-color:rgb(162, 236, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 236, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 236, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 236, 151);  
box-shadow:4px 4px 4px 4px rgb(162, 236,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 51.701, 138.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 236, 151) }
```

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

```
.background{ background-color: rgb(162,  
236, 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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