

Converting Colors

CIELCh(87, 55.595, 140.896)

Have a look what the booklet for
CIELCh(87, 55.595, 140.896)
contains.

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Color

CIELCh(87, 55.633, 140.883)

Conversions

Conversions Part 1

Format	Color
Hex	98EE95
RGB	152, 238, 149
RGB Percent	60%, 93%, 58%
CMY	0.4039, 0.0666, 0.4156
CMYK	0.36, 0.00, 0.37, 0.07
HSL	118°, 72%, 76%
HSV	118°, 37%, 93%
XYZ	48.9574, 70.0064, 39.3728
YIQ	202.1400, -22.6870, -45.9110

Conversions

Conversions Part 2

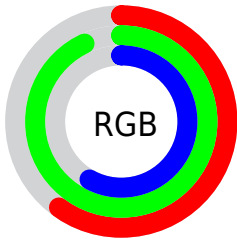
Format	Color
RYB	149, 238, 235
Decimal	10022549
CIELab	87.00, -43.16, 35.10
CIELCh	87, 55.633, 140.883
Yxy	70.0064, 0.3092, 0.4421
Android (android.graphics.Color)	4288212629 (0xFF98EE95)
YUV	202.1400, -26.1980, -43.9728
Hunter-Lab	83.6698, -41.9771, 30.6686

Details

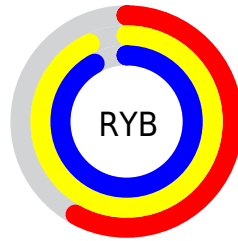
The CIELCh color **87, 55.633, 140.883** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **73, 55.687, 325.474**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 30.957, 140.640**, and **67, 55.310, 140.794** is the 20% darker color. If you saturate the color by 10%, you get **86, 69.693, 139.917**, and if you desaturate by 10%, it is **89, 40.949, 141.747**.

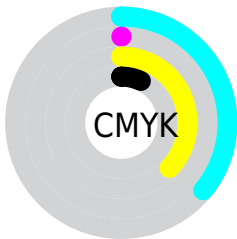
Distribution



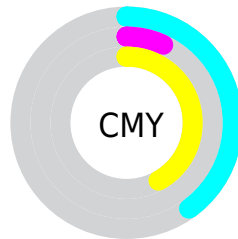
- Red (60%)
- Green (93%)
- Blue (58%)



- Red (58%)
- Yellow (93%)
- Blue (92%)



- Cyan (36%)
- Magenta (0%)
- Yellow (37%)
- Black (7%)





- Cyan (40%)
- Magenta (7%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 55.633, 140.883 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, 55.633, 140.883 by changing the saturation by 10% instead.


 87, 55.633,
140.883

 87, 55.633,
140.883


 100, 55.633,
140.883


 77, 55.633,
140.883

 67, 55.633,
140.883

 57, 55.633,
140.883

 47, 55.633,
140.883

 37, 55.633,
140.883


 27, 55.633,
140.883


 17, 55.633,


140.883

 7, 55.633, 140.883


 0, 55.633, 140.883


 87, 55.633,
140.883

 87, 55.633,
140.883


 86, 69.693,
139.917


 89, 40.949,
141.747

 85, 82.690,
138.879


 90, 25.978,
142.500


 84, 94.087,
137.844

 92, 10.981,
143.157

 83, 103.267,
136.929


 95, 3.854, 323.601

 83, 109.644,

 96, 10.588,
324.781

136.280

 83, 112.977,
135.986

 82, 113.532,
135.914

Harmonies

Complementary

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



87, 55.633, 140.883



73, 55.687, 325.474

Rectangle

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



87, 55.633, 140.883



87, 55.633, 190.883



87, 55.633, 320.883



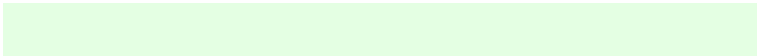
87, 55.633, 10.883

Sweetspot

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



87, 55.634, 140.883



97, 17.322, 142.926



91, 42.950, 104.294



52, 11.648, 142.838



0, 0.000, 0.000



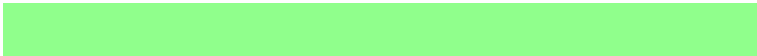
53, 0.007, 296.813

Same Dimension

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



87, 55.634, 140.883



91, 70.207, 140.139



88, 40.213, 157.492



49, 8.501, 143.025



65, 93.406, 135.875



19, 39.388, 137.273

Inverse Universe

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



73, 55.687, 325.474



74, 70.157, 325.832



72, 41.600, 344.504



47, 8.519, 324.023



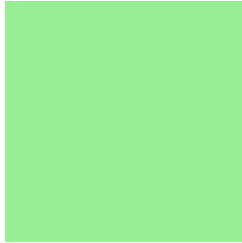
43, 90.442, 326.908



10, 39.471, 327.091

Previews

White Background



This preview shows how the CIE LCh color 87, 55.633, 140.883 looks on a white background.

Color Contrast Check

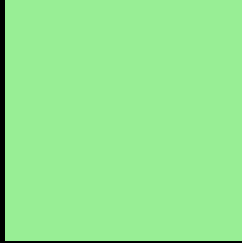
Large Text (above 18pt) WCAG AA × Fail

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, 55.633, 140.883 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

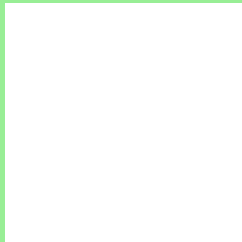
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 55.633, 140.883

Background



This preview shows how black text looks on a background with the CIELCh color 87, 55.633, 140.883.

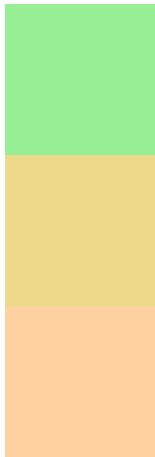


This preview shows how white text looks on a background with the CIELCh color 87, 55.633, 140.883.

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, 55.633, 140.883

Protanopia
87, 40.467, 95.696

Deuteranopia
86, 31.760, 71.264

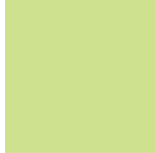


Tritanopia
87, 20.147, 228.181

Trichromacy



Original Color
87, 55.633, 140.883



Protanomaly
86, 42.720, 117.360



Deuteranomaly
86, 32.569, 108.090

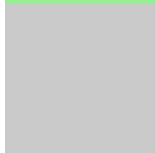


Tritanomaly
87, 25.336, 173.189

Monochromacy



Original Color
87, 55.633, 140.883



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 20.464, 142.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 55.633, 140.883 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(152, 238, 149)` looks like.

```
.text, #text, p{  
    color:rgb(152, 238, 149)  
}
```

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(152, 238, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 238, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 55.633, 140.883 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(152, 238, 149) }
```

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

```
.border{ border-color:rgb(152, 238, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 238, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 238, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 238, 149);  
box-shadow:4px 4px 4px 4px rgb(152, 238,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 55.633, 140.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 238, 149) }
```

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

```
.background{ background-color: rgb(152,  
238, 149) }
```

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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