

Converting Colors

CIELCh(85, 67.491, 138.442)

Have a look what the booklet for
CIELCh(85, 67.491, 138.442)
contains.

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Color

CIELCh(85, 67.468, 138.511)

Conversions

Conversions Part 1

Format	Color
Hex	87EB7C
RGB	135, 235, 124
RGB Percent	53%, 92%, 49%
CMY	0.4707, 0.0785, 0.5138
CMYK	0.43, 0.00, 0.47, 0.08
HSL	114°, 73%, 70%
HSV	114°, 47%, 92%
XYZ	43.3264, 66.0070, 29.5186
YIQ	192.4460, -23.9690, -55.7210

Conversions

Conversions Part 2

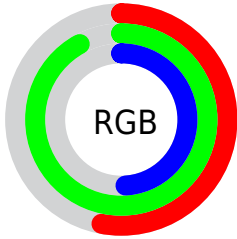
Format	Color
RYB	124, 235, 224
Decimal	8907644
CIELab	85.00, -50.54, 44.70
CIELCh	85, 67.468, 138.511
Yxy	66.0070, 0.3120, 0.4754
Android (android.graphics.Color)	4287097724 (0xFF87EB7C)
YUV	192.4460, -33.7439, -50.3801
Hunter-Lab	81.2447, -46.9872, 35.3295

Details

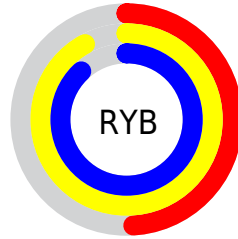
The CIELCh color **85, 67.468, 138.511** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67, 67.852, 323.942**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 45.319, 137.341**, and **65, 67.334, 138.522** is the 20% darker color. If you saturate the color by 10%, you get **84, 80.267, 137.632**, and if you desaturate by 10%, it is **86, 53.734, 139.353**.

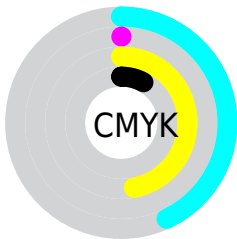
Distribution



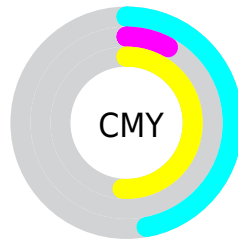
- Red (53%)
- Green (92%)
- Blue (49%)



- Red (49%)
- Yellow (92%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (47%)
- Black (8%)





- Cyan (47%)
- Magenta (8%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 67.468, 138.511 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 85, 67.468, 138.511 by changing the saturation by 10% instead.


 85, 67.468,
138.511


 85, 67.468,
138.511


 100, 67.468,
138.511


 75, 67.468,
138.511

 65, 67.468,
138.511

 55, 67.468,
138.511

 45, 67.468,
138.511

 35, 67.468,
138.511


 25, 67.468,
138.511


 15, 67.468,


138.511


 5, 67.468, 138.511


 0, 67.468, 138.511


 85, 67.468,
138.511


 85, 67.468,
138.511

 84, 80.267,
137.632


 86, 53.734,
139.353


 83, 91.622,
136.787


 88, 39.457,
140.119

 82, 100.931,
136.094

 90, 24.943,
140.797

 82, 107.594,
135.689

 92, 10.417,
141.396

 82, 111.320,

 94, 3.958, 321.803

135.649

95, 12.494,
324.851

82, 112.014,
135.641

Harmonies

Complementary

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



85, 67.468, 138.511



67, 67.852, 323.942

Rectangle

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



85, 67.468, 138.511



85, 67.468, 188.511



85, 67.468, 318.511



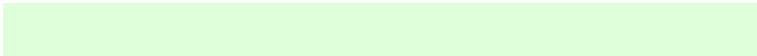
85, 67.468, 8.511

Sweetspot

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



85, 67.469, 138.512



97, 21.619, 140.994



88, 50.842, 100.735



51, 14.939, 140.861



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 67.469, 138.512



90, 85.409, 137.630



85, 51.712, 153.957



48, 8.178, 141.267



64, 92.031, 135.551



19, 37.382, 136.647

Inverse Universe

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



67, 67.852, 323.942



67, 85.658, 324.288



66, 53.082, 342.935



46, 8.205, 322.183



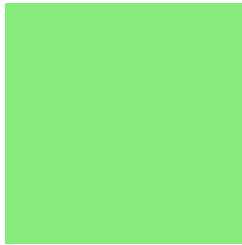
40, 89.956, 324.396



8, 38.470, 324.945

Previews

White Background



This preview shows how the CIE LCh color 85, 67.468, 138.511 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 85, 67.468, 138.511 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 85, 67.468, 138.511

Background



This preview shows how black text looks on a background with the CIELCh color 85, 67.468, 138.511.

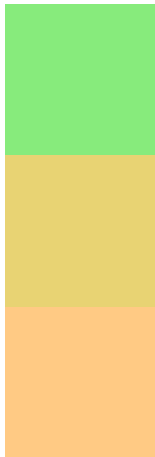


This preview shows how white text looks on a background with the CIELCh color 85, 67.468, 138.511.

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
85, 67.468, 138.511

Protanopia
84, 50.010, 95.687

Deuteranopia
85, 43.243, 76.022

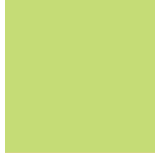


Tritanopia
85, 22.248, 223.563

Trichromacy



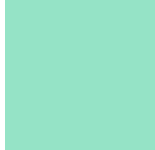
Original Color
85, 67.468, 138.511



Protanomaly
84, 52.618, 115.987



Deuteranomaly
84, 43.719, 107.969

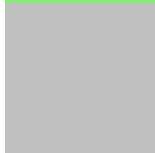


Tritanomaly
85, 30.947, 167.710

Monochromacy



Original Color
85, 67.468, 138.511



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 25.862, 140.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 67.468, 138.511 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(135, 235, 124)` looks like.

```
.text, #text, p{  
    color:rgb(135, 235, 124)  
}
```

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(135, 235, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 235, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 67.468, 138.511 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(135, 235, 124) }
```

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

```
.border{ border-color:rgb(135, 235, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 235, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 235, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 235, 124);  
box-shadow:4px 4px 4px 4px rgb(135, 235,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 67.468, 138.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 235, 124) }
```

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

```
.background{ background-color: rgb(135,  
235, 124) }
```

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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