

Converting Colors

CIELCh(86, 70.220, 136.846)

Have a look what the booklet for
CIELCh(86, 70.220, 136.846)
contains.

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Color

CIELCh(86, 70.016, 136.867)

Conversions

Conversions Part 1

Format	Color
Hex	8BEE78
RGB	139, 238, 120
RGB Percent	55%, 93%, 47%
CMY	0.4549, 0.0667, 0.5294
CMYK	0.42, 0.00, 0.50, 0.07
HSL	110°, 78%, 70%
HSV	110°, 50%, 93%
XYZ	44.6069, 67.9871, 28.5380
YIQ	194.9470, -21.1260, -57.6860

Conversions

Conversions Part 2

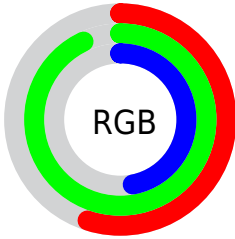
Format	Color
RYB	120, 238, 219
Decimal	9170552
CIELab	86.00, -51.10, 47.87
CIELCh	86, 70.016, 136.867
Yxy	67.9871, 0.3161, 0.4817
Android (android.graphics.Color)	4287360632 (0xFF8BEE78)
YUV	194.9470, -36.9489, -49.0655
Hunter-Lab	82.4543, -47.7285, 37.1973

Details

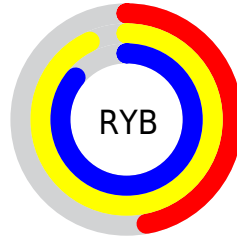
The CIELCh color **86, 70.016, 136.867** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65, 70.968, 322.129**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 46.359, 134.670**, and **66, 69.785, 136.956** is the 20% darker color. If you saturate the color by 10%, you get **85, 82.550, 136.126**, and if you desaturate by 10%, it is **87, 56.513, 137.614**.

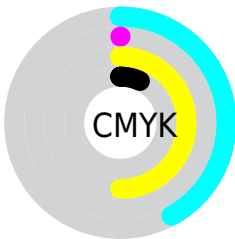
Distribution



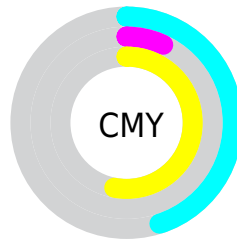
- Red (55%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)





- Cyan (45%)
- Magenta (7%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 70.016, 136.867 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 86, 70.016, 136.867 by changing the saturation by 10% instead.


 86, 70.016,
136.867


 86, 70.016,
136.867


 100, 70.016,
136.867


 76, 70.016,
136.867

 66, 70.016,
136.867

 56, 70.016,
136.867

 46, 70.016,
136.867

 36, 70.016,
136.867


 26, 70.016,
136.867

 16, 70.016,


136.867


 6, 70.016, 136.867

 0, 70.016, 136.867


 86, 70.016,
136.867


 86, 70.016,
136.867


 85, 82.550,
136.126


 87, 56.513,
137.614


 84, 93.593,
135.474


 89, 42.436,
138.317

 83, 102.532,
135.038

 90, 28.087,
138.952


 83, 108.789,
134.944

 92, 13.686,
139.519

 83, 112.300,

 94, 0.605, 319.571

135.187

 96, 10.606,
324.781

 83, 112.418,
135.194

Harmonies

Complementary

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



86, 70.016, 136.867



65, 70.968, 322.129

Rectangle

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



86, 70.016, 136.867



86, 70.016, 186.867



86, 70.016, 316.867



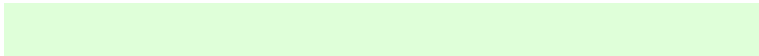
86, 70.016, 6.867

Sweetspot

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



86, 70.017, 136.868



97, 22.722, 139.217



87, 50.775, 96.589



51, 15.514, 139.095



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 70.017, 136.868



90, 86.523, 136.151



86, 57.686, 150.854



49, 8.163, 139.524



65, 92.389, 135.067



20, 38.354, 135.268

Inverse Universe

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



65, 70.968, 322.129



65, 87.593, 322.413



66, 58.427, 339.779



47, 8.201, 320.381



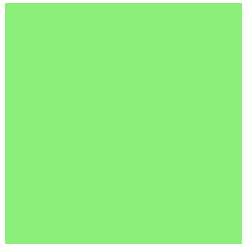
38, 91.526, 322.099



8, 39.846, 322.916

Previews

White Background



This preview shows how the CIELCh color 86, 70.016, 136.867 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 86, 70.016, 136.867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

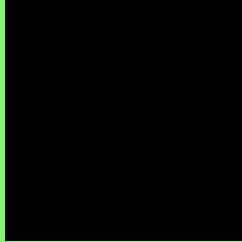
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 70.016, 136.867

Background



This preview shows how black text looks on a background with the CIELCh color 86, 70.016, 136.867.

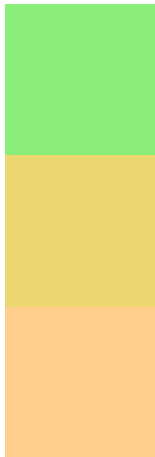


This preview shows how white text looks on a background with the CIELCh color 86, 70.016, 136.867.

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
86, 70.016, 136.867

Protanopia
86, 52.813, 95.557

Deuteranopia
85, 40.158, 76.100

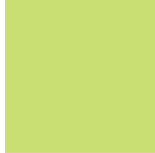


Tritanopia
86, 21.483, 224.533

Trichromacy



Original Color
86, 70.016, 136.867



Protanomaly
85, 55.222, 114.913



Deuteranomaly
85, 43.154, 108.611

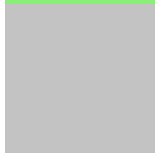


Tritanomaly
85, 30.759, 165.357

Monochromacy



Original Color
86, 70.016, 136.867



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 26.498, 138.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 70.016, 136.867 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(139, 238, 120)` looks like.

```
.text, #text, p{  
    color:rgb(139, 238, 120)  
}
```

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(139, 238, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 238, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 70.016, 136.867 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(139, 238, 120) }
```

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

```
.border{ border-color:rgb(139, 238, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 238, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 238, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 238, 120);  
box-shadow:4px 4px 4px 4px rgb(139, 238,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 70.016, 136.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 238, 120) }
```

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

```
.background{ background-color: rgb(139,  
238, 120) }
```

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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