

Converting Colors

CIELCh(86, 77.373, 140.086)

Have a look what the booklet for
CIELCh(86, 77.373, 140.086)
contains.

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Color

CIELCh(86, 77.127, 140.102)

Conversions

Conversions Part 1

Format	Color
Hex	74F174
RGB	116, 241, 116
RGB Percent	45%, 95%, 45%
CMY	0.5445, 0.0543, 0.5445
CMYK	0.52, 0.00, 0.52, 0.05
HSL	120°, 82%, 70%
HSV	120°, 52%, 95%
XYZ	41.8831, 67.9871, 27.4801
YIQ	189.3750, -34.3750, -65.3750

Conversions

Conversions Part 2

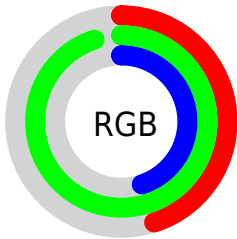
Format	Color
RYB	116, 241, 241
Decimal	7663988
CIELab	86.00, -59.17, 49.47
CIELCh	86, 77.127, 140.102
Yxy	67.9871, 0.3049, 0.4950
Android (android.graphics.Color)	4285854068 (0xFF74F174)
YUV	189.3750, -36.1739, -64.3499
Hunter-Lab	82.4543, -53.6250, 37.9580

Details

The CIELCh color **86, 77.127, 140.102** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **68, 76.635, 327.132**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 51.971, 140.354**, and **66, 77.327, 140.046** is the 20% darker color. If you saturate the color by 10%, you get **85, 89.604, 138.958**, and if you desaturate by 10%, it is **87, 63.277, 141.184**.

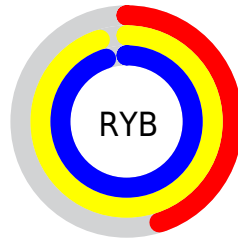
Distribution



Red (45%)

Green (95%)

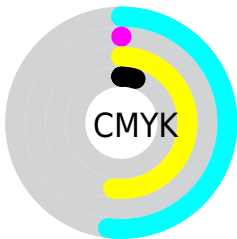
Blue (45%)



Red (45%)

Yellow (95%)

Blue (95%)

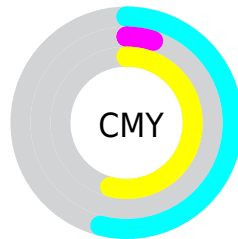


Cyan (52%)

Magenta (0%)

Yellow (52%)

Black (5%)



Cyan (54%)


Magenta (5%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 77.127, 140.102 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, 77.127, 140.102 by changing the saturation by 10% instead.


 86, 77.127,
140.102


 86, 77.127,
140.102


 100, 77.127,
140.102


 76, 77.127,
140.102

 66, 77.127,
140.102

 56, 77.127,
140.102

 46, 77.127,
140.102

 36, 77.127,
140.102


 26, 77.127,
140.102

 16, 77.127,


140.102

 6, 77.127, 140.102


 0, 77.127, 140.102

 86, 77.127,
140.102


 86, 77.127,
140.102


 85, 89.604,
138.958


 87, 63.277,
141.184


 84, 100.114,
137.845


 89, 48.554,
142.157

 84, 108.032,
136.902

 91, 33.364,
143.006

 84, 112.884,
136.276

 93, 18.025,
143.738

 83, 114.820,

 95, 2.773, 144.443

136.016



97, 8.629, 324.706

Harmonies

Complementary

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



86, 77.127, 140.102



68, 76.635, 327.132

Rectangle

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



86, 77.127, 140.102



86, 77.127, 190.102



86, 77.127, 320.102



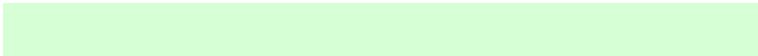
86, 77.127, 10.102

Sweetspot

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



86, 77.128, 140.102



96, 25.538, 143.443



92, 60.810, 104.485



51, 17.254, 143.292



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, 77.128, 140.102



89, 93.890, 138.918



87, 53.579, 157.214



49, 8.595, 143.897



65, 93.587, 136.015



19, 39.680, 137.799

Inverse Universe

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



68, 76.635, 327.132



67, 92.727, 327.535



65, 56.267, 348.336



47, 8.608, 324.940



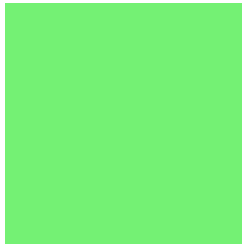
44, 90.297, 328.228



10, 39.419, 328.228

Previews

White Background



This preview shows how the CIE LCh color 86, 77.127, 140.102 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, 77.127, 140.102 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

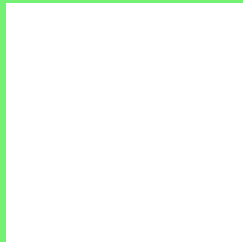
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 77.127, 140.102

Background



This preview shows how black text looks on a background with the CIELCh color 86, 77.127, 140.102.

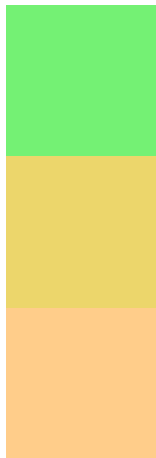


This preview shows how white text looks on a background with the CIELCh color 86, 77.127, 140.102.

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, 77.127, 140.102

Protanopia
85, 55.119, 95.741

Deuteranopia
85, 41.063, 76.690



Tritanopia
86, 26.610, 218.858

Trichromacy



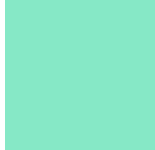
Original Color
86, 77.127, 140.102



Protanomaly
85, 58.740, 118.127



Deuteranomaly
84, 45.384, 112.959

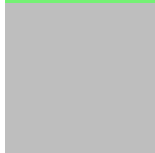


Tritanomaly
85, 37.389, 168.328

Monochromacy



Original Color
86, 77.127, 140.102



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 29.937, 143.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 77.127, 140.102 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(116, 241, 116)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 116)  
}
```

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(116, 241, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 77.127, 140.102 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(116, 241, 116) }
```

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

```
.border{ border-color:rgb(116, 241, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 241, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 241, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 241, 116); box-shadow:4px 4px 4px 4px rgb(116, 241, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 77.127, 140.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 241, 116) }
```

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

```
.background{ background-color: rgb(116,  
241, 116) }
```

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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