

Converting Colors

CIELCh(87, 81.768, 124.136)

Have a look what the booklet for
CIELCh(87, 81.768, 124.136)
contains.

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Color

CIELCh(87, 81.880, 124.166)

Conversions

Conversions Part 1

Format	Color
Hex	A7EE4D
RGB	167, 238, 77
RGB Percent	65%, 93%, 30%
CMY	0.3445, 0.0661, 0.6974
CMYK	0.30, 0.00, 0.68, 0.07
HSL	86°, 83%, 62%
HSV	86°, 68%, 93%
XYZ	47.9314, 70.0064, 18.0353
YIQ	198.4170, 9.3650, -65.1230

Conversions

Conversions Part 2

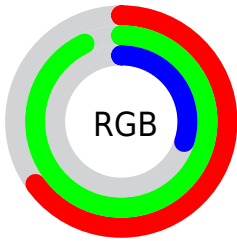
Format	Color
RYB	77, 238, 148
Decimal	11005517
CIELab	87.00, -45.98, 67.75
CIElCh	87, 81.880, 124.166
Yxy	70.0064, 0.3525, 0.5149
Android (android.graphics.Color)	4289195597 (0xFFA7EE4D)
YUV	198.4170, -59.8586, -27.5527
Hunter-Lab	83.6698, -44.1661, 45.7887

Details

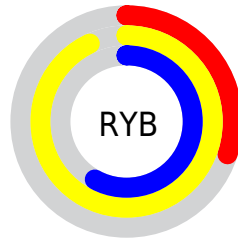
The CIELCh color **87, 81.880, 124.166** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **49, 92.494, 310.783**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 60.706, 116.521**, and **67, 81.953, 124.373** is the 20% darker color. If you saturate the color by 10%, you get **86, 90.557, 124.305**, and if you desaturate by 10%, it is **88, 71.554, 124.333**.

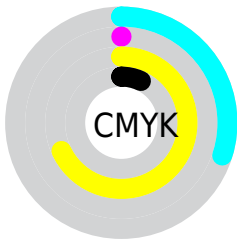
Distribution



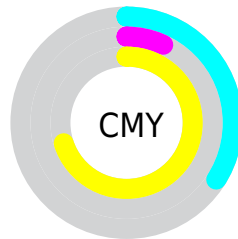
- Red (65%)
- Green (93%)
- Blue (30%)



- Red (30%)
- Yellow (93%)
- Blue (58%)



- Cyan (30%)
- Magenta (0%)
- Yellow (68%)
- Black (7%)



- Cyan (34%)
- Magenta (7%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 81.880, 124.166 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, 81.880, 124.166 by changing the saturation by 10% instead.

■ 87, 81.880,
124.166

■ 87, 81.880,
124.166

■ 100, 81.880,
124.166

■ 77, 81.880,
124.166

■ 67, 81.880,
124.166

■ 57, 81.880,
124.166

■ 47, 81.880,
124.166

■ 37, 81.880,
124.166


■ 27, 81.880,
124.166


■ 17, 81.880,


124.166


 7, 81.880, 124.166


 0, 81.880, 124.166


 87, 81.880,
124.166


 87, 81.880,
124.166


 86, 90.557,
124.305


 88, 71.554,
124.333


 86, 97.032,
124.874

 89, 60.111,
124.686

 85, 101.067,
125.940

 90, 47.964,
125.139

 85, 101.844,
126.222


 91, 35.403,
125.636


 92, 22.625,

126.142

 93, 9.764, 126.638

 94, 3.086, 307.054

 96, 9.815, 318.260

 96, 10.505,
324.777

Harmonies

Complementary

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



87, 81.880, 124.166



49, 92.494, 310.783

Rectangle

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



87, 81.880, 124.166



87, 81.880, 174.166



87, 81.880, 304.166



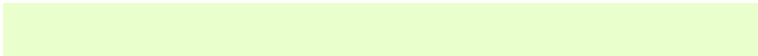
87, 81.880, 354.166

Sweetspot

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



87, 81.881, 124.167



97, 27.164, 126.018



69, 57.897, 60.531



52, 18.523, 125.875



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, 81.881, 124.167



92, 98.181, 124.459



84, 93.679, 137.304



50, 7.338, 126.546



67, 83.597, 125.950



21, 34.522, 124.865

Inverse Universe

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



49, 92.494, 310.783



46, 113.735, 311.125



60, 92.964, 325.576



46, 7.452, 307.429



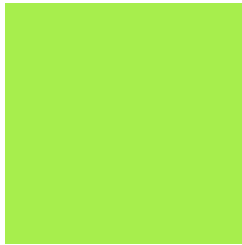
27, 98.727, 310.645



4, 39.393, 310.202

Previews

White Background



This preview shows how the CIELCh color 87, 81.880, 124.166 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, 81.880, 124.166 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, 81.880, 124.166

Background



This preview shows how black text looks on a background with the CIELCh color 87, 81.880, 124.166.

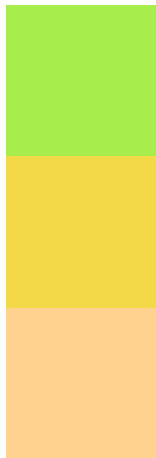


This preview shows how white text looks on a background with the CIELCh color 87, 81.880, 124.166.

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, 81.880, 124.166

Protanopia
87, 71.247, 95.090

Deuteranopia
87, 39.767, 79.337



Tritanopia
87, 14.413, 237.123

Trichromacy



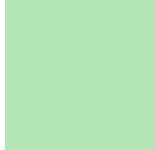
Original Color
87, 81.880, 124.166



Protanomaly
86, 72.627, 107.430



Deuteranomaly
86, 51.257, 104.407

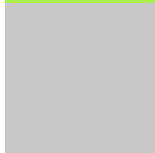


Tritanomaly
87, 30.914, 143.588

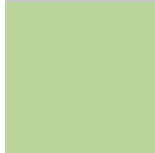
Monochromacy



Original Color
87, 81.880, 124.166



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 31.960, 125.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 81.880, 124.166 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(167, 238, 77)` looks like.

```
.text, #text, p{  
    color:rgb(167, 238, 77)  
}
```

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(167, 238, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 238, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 81.880, 124.166 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(167, 238, 77) }
```

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

```
.border{ border-color:rgb(167, 238, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 238, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 238, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 238, 77);  
box-shadow:4px 4px 4px 4px rgb(167, 238,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 81.880, 124.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 238, 77) }
```

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

```
.background{ background-color: rgb(167,  
238, 77) }
```

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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