

Converting Colors

CIELCh(87, 60.512, 130.918)

Have a look what the booklet for
CIELCh(87, 60.512, 130.918)
contains.

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Color

CIELCh(87, 60.400, 130.980)

Conversions

Conversions Part 1

Format	Color
Hex	A9EC80
RGB	169, 236, 128
RGB Percent	66%, 93%, 50%
CMY	0.3371, 0.0744, 0.4979
CMYK	0.28, 0.00, 0.46, 0.07
HSL	97°, 74%, 71%
HSV	97°, 46%, 93%
XYZ	50.2711, 70.0064, 31.2948
YIQ	203.6550, -5.2640, -47.7920

Conversions

Conversions Part 2

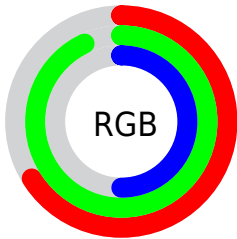
Format	Color
RYB	128, 236, 195
Decimal	11136128
CIELab	87.00, -39.61, 45.60
CIELCh	87, 60.400, 130.980
Yxy	70.0064, 0.3317, 0.4619
Android (android.graphics.Color)	4289326208 (0xFFA9EC80)
YUV	203.6550, -37.2979, -30.3924
Hunter-Lab	83.6698, -39.1746, 36.3928

Details

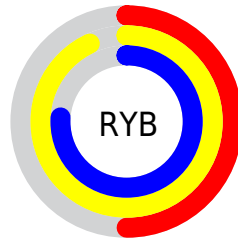
The CIELCh color **87, 60.400, 130.980** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64, 63.292, 315.177**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 38.413, 123.933**, and **67, 60.483, 130.930** is the 20% darker color. If you saturate the color by 10%, you get **86, 72.583, 130.536**, and if you desaturate by 10%, it is **88, 47.569, 131.483**.

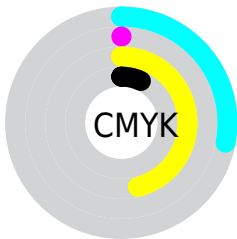
Distribution



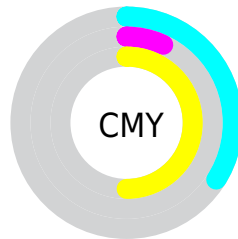
- Red (66%)
- Green (93%)
- Blue (50%)



- Red (50%)
- Yellow (93%)
- Blue (76%)



- Cyan (28%)
- Magenta (0%)
- Yellow (46%)
- Black (7%)



- Cyan (34%)
- Magenta (7%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 60.400, 130.980 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, 60.400, 130.980 by changing the saturation by 10% instead.

■ 87, 60.400,
130.980

■ 87, 60.400,
130.980

■ 100, 60.400,
130.980

■ 77, 60.400,
130.980

■ 67, 60.400,
130.980

■ 57, 60.400,
130.980

■ 47, 60.400,
130.980

■ 37, 60.400,
130.980


■ 27, 60.400,
130.980


■ 17, 60.400,


130.980

 7, 60.400, 130.980


 0, 60.400, 130.980


 87, 60.400,
130.980


 87, 60.400,
130.980


 86, 72.583,
130.536


 88, 47.569,
131.483

 85, 83.710,
130.227


 89, 34.374,
131.991

 84, 93.254,
130.168

 91, 21.021,
132.480

 84, 100.635,
130.493

 92, 7.653, 132.944

 83, 105.469,

 94, 5.629, 313.296

131.291

95, 11.832,
324.827

83, 106.967,
131.699

Harmonies

Complementary

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



87, 60.400, 130.980



64, 63.292, 315.177

Rectangle

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



87, 60.400, 130.980



87, 60.400, 180.980



87, 60.400, 310.980



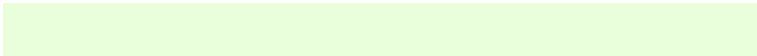
87, 60.400, 0.980

Sweetspot

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



87, 60.401, 130.981



98, 19.876, 132.560



81, 39.433, 80.762



52, 13.728, 132.458



0, 0.000, 0.000



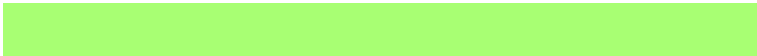
53, 0.007, 296.813

Same Dimension

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



87, 60.401, 130.981



92, 76.297, 130.557



85, 62.551, 143.948



48, 7.527, 132.773



65, 87.445, 131.450



19, 34.956, 130.990

Inverse Universe

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



64, 63.292, 315.177



63, 80.693, 315.535



68, 62.334, 330.515



46, 7.605, 313.543



31, 94.042, 314.993



5, 38.233, 315.679

Previews

White Background



This preview shows how the CIELCh color 87, 60.400, 130.980 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, 60.400, 130.980 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, 60.400, 130.980

Background



This preview shows how black text looks on a background with the CIELCh color 87, 60.400, 130.980.

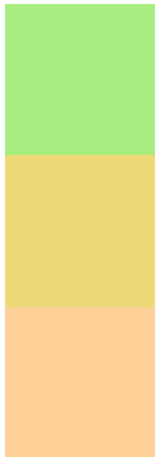


This preview shows how white text looks on a background with the CIELCh color 87, 60.400, 130.980.

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, 60.400, 130.980

Protanopia
87, 49.819, 95.833

Deuteranopia
87, 35.011, 75.255



Tritanopia
87, 14.949, 238.074

Trichromacy



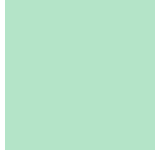
Original Color
87, 60.400, 130.980



Protanomaly
86, 50.859, 110.958



Deuteranomaly
86, 38.656, 103.878

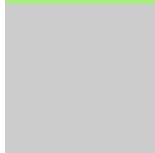


Tritanomaly
87, 22.670, 157.673

Monochromacy



Original Color
87, 60.400, 130.980



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 23.026, 132.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 60.400, 130.980 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(169, 236, 128)` looks like.

```
.text, #text, p{  
    color:rgb(169, 236, 128)  
}
```

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(169, 236, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 236, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 60.400, 130.980 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(169, 236, 128) }
```

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

```
.border{ border-color:rgb(169, 236, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 236, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 236, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 236, 128);  
box-shadow:4px 4px 4px 4px rgb(169, 236,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 60.400, 130.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 236, 128) }
```

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

```
.background{ background-color: rgb(169,  
236, 128) }
```

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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