

Converting Colors

CIELCh(86, 42.500, 142.432)

Have a look what the booklet for
CIELCh(86, 42.500, 142.432)
contains.

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Color

CIELCh(86, 42.130, 142.457)

Conversions

Conversions Part 1

Format	Color
Hex	A5E7A5
RGB	165, 231, 165
RGB Percent	65%, 91%, 65%
CMY	0.3523, 0.0934, 0.3523
CMYK	0.29, 0.00, 0.29, 0.09
HSL	120°, 58%, 78%
HSV	120°, 29%, 91%
XYZ	50.9812, 67.9871, 46.1097
YIQ	203.7420, -18.1500, -34.5180

Conversions

Conversions Part 2

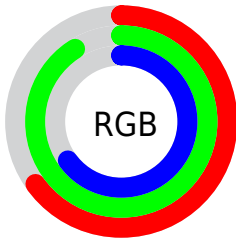
Format	Color
RYB	165, 231, 231
Decimal	10872741
CIELab	86.00, -33.40, 25.67
CIELCh	86, 42.130, 142.457
Yxy	67.9871, 0.3088, 0.4118
Android (android.graphics.Color)	4289062821 (0xFFA5E7A5)
YUV	203.7420, -19.0998, -33.9767
Hunter-Lab	82.4543, -33.9291, 24.5622

Details

The CIELCh color **86, 42.130, 142.457** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **76, 42.131, 325.994**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 21.682, 142.879**, and **66, 41.983, 142.605** is the 20% darker color. If you saturate the color by 10%, you get **84, 56.550, 141.528**, and if you desaturate by 10%, it is **88, 27.376, 143.264**.

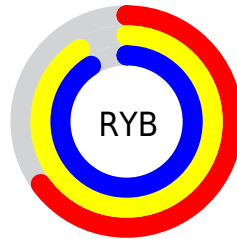
Distribution



Red (65%)

Green (91%)

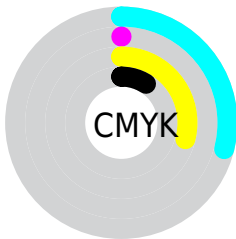
Blue (65%)



Red (65%)

Yellow (91%)

Blue (91%)

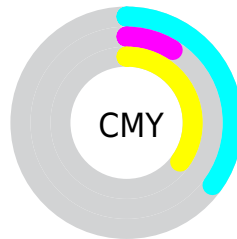


Cyan (29%)

Magenta (0%)

Yellow (29%)

Black (9%)



Cyan (35%)

Magenta (9%)

Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 42.130, 142.457 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, 42.130, 142.457 by changing the saturation by 10% instead.


 86, 42.130,
142.457

 86, 42.130,
142.457


 100, 42.130,
142.457


 76, 42.130,
142.457

 66, 42.130,
142.457

 56, 42.130,
142.457

 46, 42.130,
142.457

 36, 42.130,
142.457

 26, 42.130,
142.457

 16, 42.130,


142.457

 6, 42.130, 142.457


 0, 42.130, 142.457


 86, 42.130,
142.457


 86, 42.130,
142.457

 84, 56.550,
141.528


 88, 27.376,
143.264


 83, 70.270,
140.482


 90, 12.559,
143.961

 82, 82.839,
139.353

 92, 2.114, 324.382

 81, 93.716,
138.218

 94, 14.881,
324.938

 81, 102.298,

137.201

■ 80, 108.047,
136.453

■ 80, 110.904,
136.059

■ 80, 111.215,
136.016

Harmonies

Complementary

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



86, 42.130, 142.457



76, 42.131, 325.994

Rectangle

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



86, 42.130, 142.457



86, 42.130, 192.457



86, 42.130, 322.457



86, 42.130, 12.457

Sweetspot

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



86, 42.132, 142.457



98, 14.310, 143.929



90, 33.255, 106.694



52, 9.954, 143.832



0, 0.000, 0.000



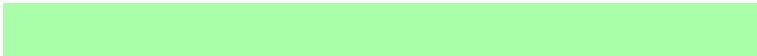
53, 0.007, 296.813

Same Dimension

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



86, 42.132, 142.457



93, 54.182, 141.950



87, 29.435, 160.149



47, 8.294, 143.902



63, 91.650, 136.016



17, 36.761, 138.831

Inverse Universe

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



76, 42.131, 325.994



80, 54.137, 326.289



75, 30.409, 345.361



45, 8.306, 324.940



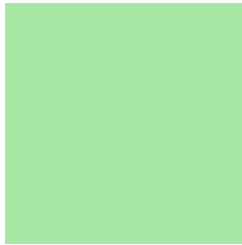
42, 88.428, 328.231



9, 37.108, 328.231

Previews

White Background



This preview shows how the CIE LCh color 86, 42.130, 142.457 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, 42.130, 142.457 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, 42.130, 142.457

Background



This preview shows how black text looks on a background with the CIELCh color 86, 42.130, 142.457.

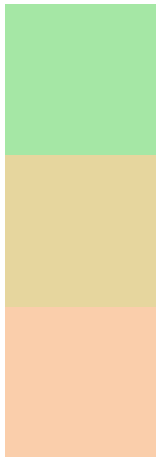


This preview shows how white text looks on a background with the CIELCh color 86, 42.130, 142.457.

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, 42.130, 142.457

Protanopia
86, 29.831, 95.281

Deuteranopia
86, 25.559, 65.404

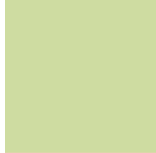


Tritanopia
86, 16.438, 231.662

Trichromacy



Original Color
86, 42.130, 142.457



Protanomaly
85, 31.050, 117.698



Deuteranomaly
85, 24.003, 104.379

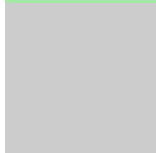


Tritanomaly
86, 19.025, 177.020

Monochromacy



Original Color
86, 42.130, 142.457



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 15.490, 143.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 42.130, 142.457 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(165, 231, 165)` looks like.

```
.text, #text, p{  
    color:rgb(165, 231, 165)  
}
```

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(165, 231, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 231, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 42.130, 142.457 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(165, 231, 165) }
```

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

```
.border{ border-color:rgb(165, 231, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 231, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 231, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 231, 165); box-shadow:4px 4px 4px 4px rgb(165, 231, 165) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 42.130, 142.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 231, 165) }
```

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

```
.background{ background-color: rgb(165,  
231, 165) }
```

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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