

Converting Colors

CIELCh(87, 40.227, 127.572)

Have a look what the booklet for
CIELCh(87, 40.227, 127.572)
contains.

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Color

CIELCh(87, 40.042, 127.330)

Conversions

Conversions Part 1

Format	Color
Hex	C1E59C
RGB	193, 229, 156
RGB Percent	76%, 90%, 61%
CMY	0.2419, 0.1007, 0.3870
CMYK	0.16, 0.00, 0.32, 0.10
HSL	90°, 59%, 76%
HSV	90°, 32%, 90%
XYZ	56.2076, 70.0064, 42.1371
YIQ	209.9140, 1.9770, -30.3350

Conversions

Conversions Part 2

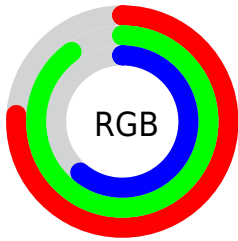
Format	Color
RYB	156, 229, 192
Decimal	12707228
CIELab	87.00, -24.28, 31.84
CIElCh	87, 40.042, 127.330
Yxy	70.0064, 0.3339, 0.4158
Android (android.graphics.Color)	4290897308 (0xFFC1E59C)
YUV	209.9140, -26.5796, -14.8336
Hunter-Lab	83.6698, -26.5097, 28.7097

Details

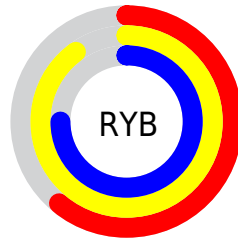
The CIELCh color **87, 40.042, 127.330** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **70, 41.918, 310.411**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 22.322, 113.257**, and **67, 39.854, 127.483** is the 20% darker color. If you saturate the color by 10%, you get **86, 52.268, 126.855**, and if you desaturate by 10%, it is **88, 27.546, 127.823**.

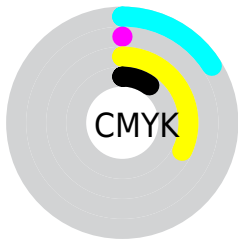
Distribution



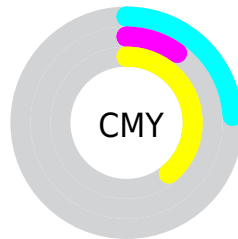
- Red (76%)
- Green (90%)
- Blue (61%)



- Red (61%)
- Yellow (90%)
- Blue (75%)



- Cyan (16%)
- Magenta (0%)
- Yellow (32%)
- Black (10%)





- Cyan (24%)
- Magenta (10%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 40.042, 127.330 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, 40.042, 127.330 by changing the saturation by 10% instead.


 87, 40.042,
127.330


 87, 40.042,
127.330


 100, 40.042,
127.330


 77, 40.042,
127.330

 67, 40.042,
127.330

 57, 40.042,
127.330

 47, 40.042,
127.330

 37, 40.042,
127.330


 27, 40.042,
127.330


 17, 40.042,


127.330

 7, 40.042, 127.330


 0, 40.042, 127.330


 87, 40.042,
127.330

 87, 40.042,
127.330

 86, 52.268,
126.855

 88, 27.546,
127.823


 85, 63.991,
126.436

 89, 14.932,
128.305


 84, 74.886,
126.144

 91, 2.309, 128.805

 83, 84.498,
126.077

 92, 10.246,
309.155

 83, 92.282,

 93, 15.119,
319.240

126.363

94, 16.043,
324.979

82, 97.765,
127.121

82, 100.680,
128.044

Harmonies

Complementary

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



87, 40.042, 127.330



70, 41.918, 310.411

Rectangle

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



87, 40.042, 127.330



87, 40.042, 177.330



87, 40.042, 307.330



87, 40.042, 357.330

Sweetspot

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



87, 40.044, 127.332



98, 13.738, 128.390



80, 24.347, 69.700



52, 9.375, 128.323



0, 0.000, 0.000



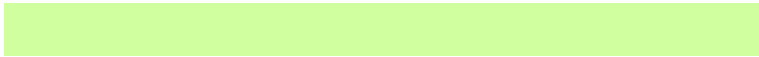
53, 0.007, 296.813

Same Dimension

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



87, 40.044, 127.332



95, 51.887, 127.024



85, 46.374, 141.782



48, 7.162, 128.418



65, 83.255, 127.775



18, 32.226, 127.329

Inverse Universe

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



70, 41.918, 310.411



73, 54.877, 310.765



74, 46.398, 325.689



45, 7.263, 309.246



28, 95.596, 311.771



4, 35.584, 310.792

Previews

White Background



This preview shows how the CIELCh color 87, 40.042, 127.330 looks on a white background.

Color Contrast Check

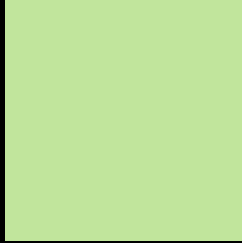
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 40.042, 127.330 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, 40.042, 127.330

Background



This preview shows how black text looks on a background with the CIELCh color 87, 40.042, 127.330.

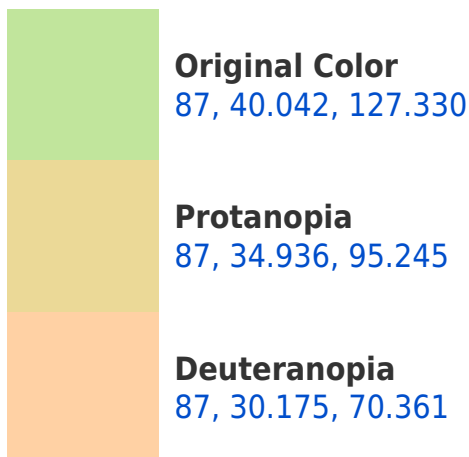


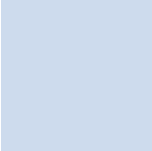
This preview shows how white text looks on a background with the CIELCh color 87, 40.042, 127.330.

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





Tritanopia
87, 10.465, 263.782

Trichromacy



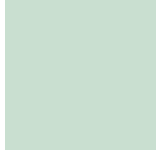
Original Color
87, 40.042, 127.330



Protanomaly
87, 35.042, 107.850



Deuteranomaly
87, 29.373, 94.395

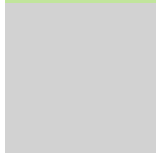


Tritanomaly
87, 11.215, 154.355

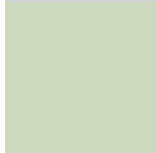
Monochromacy



Original Color
87, 40.042, 127.330



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 14.962, 127.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 40.042, 127.330 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(193, 229, 156)` looks like.

```
.text, #text, p{  
    color:rgb(193, 229, 156)  
}
```

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(193, 229, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 229, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 40.042, 127.330 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(193, 229, 156) }
```

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

```
.border{ border-color:rgb(193, 229, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 229, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 229, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 229, 156);  
box-shadow:4px 4px 4px 4px rgb(193, 229,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 40.042, 127.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 229, 156) }
```

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

```
.background{ background-color: rgb(193,  
229, 156) }
```

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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