

Converting Colors

CIELCh(87, 49.779, 118.794)

Have a look what the booklet for
CIELCh(87, 49.779, 118.794)
contains.

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Color

CIELCh(87, 49.970, 119.037)

Conversions

Conversions Part 1

Format	Color
Hex	C9E585
RGB	201, 229, 133
RGB Percent	79%, 90%, 52%
CMY	0.2125, 0.1027, 0.4791
CMYK	0.12, 0.00, 0.42, 0.10
HSL	78°, 65%, 71%
HSV	78°, 42%, 90%
XYZ	56.2187, 70.0064, 32.6726
YIQ	209.6840, 14.1280, -35.7920

Conversions

Conversions Part 2

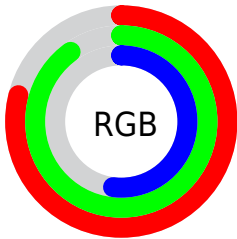
Format	Color
RYB	133, 229, 161
Decimal	13231493
CIELab	87.00, -24.25, 43.69
CIELCh	87, 49.970, 119.037
Yxy	70.0064, 0.3538, 0.4406
Android (android.graphics.Color)	4291421573 (0xFFC9E585)
YUV	209.6840, -37.8052, -7.6159
Hunter-Lab	83.6698, -26.4861, 35.4165

Details

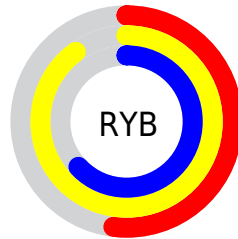
The CIELCh color **87, 49.970, 119.037** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62, 54.714, 304.625**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.195, 107.573**, and **67, 49.856, 119.065** is the 20% darker color. If you saturate the color by 10%, you get **86, 61.015, 118.545**, and if you desaturate by 10%, it is **88, 38.397, 119.605**.

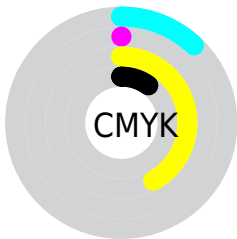
Distribution



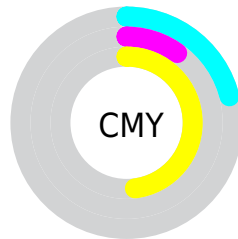
- Red (79%)
- Green (90%)
- Blue (52%)



- Red (52%)
- Yellow (90%)
- Blue (63%)



- Cyan (12%)
- Magenta (0%)
- Yellow (42%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 49.970, 119.037 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, 49.970, 119.037 by changing the saturation by 10% instead.

■ 87, 49.970,
119.037

■ 87, 49.970,
119.037

■ 100, 49.970,
119.037

■ 77, 49.970,
119.037

■ 67, 49.970,
119.037

■ 57, 49.970,
119.037

■ 47, 49.970,
119.037

■ 37, 49.970,
119.037

■ 27, 49.970,
119.037

■ 17, 49.970,


119.037

 7, 49.970, 119.037


 0, 49.970, 119.037


 87, 49.970,
119.037


 87, 49.970,
119.037

 86, 61.015,
118.545


 88, 38.397,
119.605

 86, 71.203,
118.186

 89, 26.513,
120.201

 85, 80.078,
118.050

 90, 14.466,
120.800

 85, 87.095,
118.245

 91, 2.355, 121.401

 84, 91.788,

 92, 9.751, 301.933

118.876

92, 14.233,
308.135

84, 94.050,
119.673

93, 15.078,
316.622

94, 16.217,
324.160

94, 16.370,
324.991

Harmonies

Complementary

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



87, 49.970, 119.037



62, 54.714, 304.625

Rectangle

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



87, 49.970, 119.037



87, 49.970, 169.037



87, 49.970, 299.037



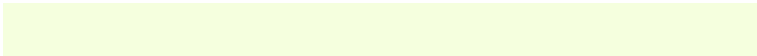
87, 49.970, 349.037

Sweetspot

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



87, 49.972, 119.039



99, 17.178, 120.733



72, 33.075, 47.591



52, 12.016, 120.600



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, 49.972, 119.039



95, 64.297, 118.620



84, 56.922, 135.984



48, 6.891, 120.948



67, 77.999, 119.442



19, 30.429, 119.013

Inverse Universe

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



62, 54.714, 304.625



62, 72.017, 305.411



66, 58.061, 320.126



44, 7.024, 302.060



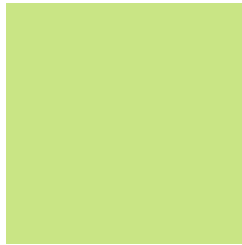
24, 99.472, 308.243



3, 34.439, 303.976

Previews

White Background



This preview shows how the CIELCh color 87, 49.970, 119.037 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, 49.970, 119.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

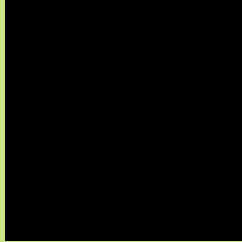
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 49.970, 119.037

Background



This preview shows how black text looks on a background with the CIELCh color 87, 49.970, 119.037.

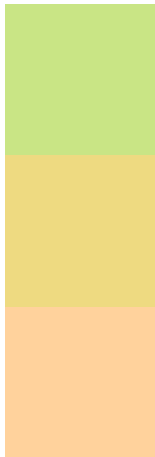


This preview shows how white text looks on a background with the CIELCh color 87, 49.970, 119.037.

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, 49.970, 119.037

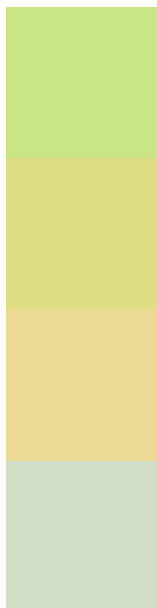
Protanopia
87, 46.361, 95.988

Deuteranopia
87, 33.843, 75.069



Tritanopia
87, 8.948, 284.246

Trichromacy



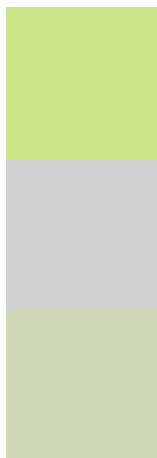
Original Color
87, 49.970, 119.037

Protanomaly
87, 46.883, 105.196

Deuteranomaly
87, 36.427, 95.570

Tritanomaly
87, 13.307, 128.595

Monochromacy



Original Color
87, 49.970, 119.037

Achromatopsia
84, 0.010, 296.813

Achromatomaly
85, 18.688, 120.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 49.970, 119.037 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(201, 229, 133)` looks like.

```
.text, #text, p{  
    color:rgb(201, 229, 133)  
}
```

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(201, 229, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 229, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 49.970, 119.037 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(201, 229, 133) }
```

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

```
.border{ border-color:rgb(201, 229, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 229, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 229, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 229, 133); box-shadow:4px 4px 4px 4px rgb(201, 229, 133) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 49.970, 119.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 229, 133) }
```

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

```
.background{ background-color: rgb(201,  
229, 133) }
```

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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