

Converting Colors

CIELCh(87, 29.448, 130.705)

Have a look what the booklet for
CIELCh(87, 29.448, 130.705)
contains.

CIELCh(87, 29.272, 130.687)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 29.272, 130.687)

Conversions

Conversions Part 1

Format	Color
Hex	C5E3AF
RGB	197, 227, 175
RGB Percent	77%, 89%, 69%
CMY	0.2269, 0.1092, 0.3132
CMYK	0.13, 0.00, 0.23, 0.11
HSL	95°, 48%, 79%
HSV	95°, 23%, 89%
XYZ	58.3223, 70.0064, 51.0666
YIQ	212.1020, -1.1880, -22.5320

Conversions

Conversions Part 2

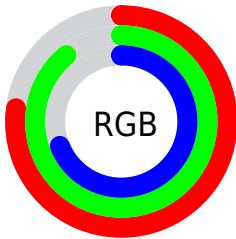
Format	Color
RYB	175, 227, 205
Decimal	12968879
CIELab	87.00, -19.08, 22.20
CIElCh	87, 29.272, 130.687
Yxy	70.0064, 0.3251, 0.3902
Android (android.graphics.Color)	4291158959 (0xFFC5E3AF)
YUV	212.1020, -18.2913, -13.2445
Hunter-Lab	83.6698, -21.9983, 22.3821

Details

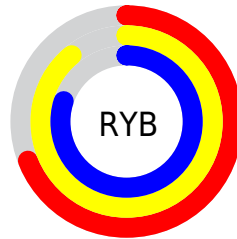
The CIELCh color **87, 29.272, 130.687** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76, 30.044, 312.723**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.156, 110.964**, and **67, 29.641, 130.514** is the 20% darker color. If you saturate the color by 10%, you get **86, 41.959, 130.196**, and if you desaturate by 10%, it is **88, 16.475, 131.164**.

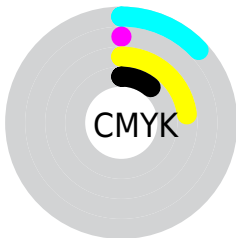
Distribution



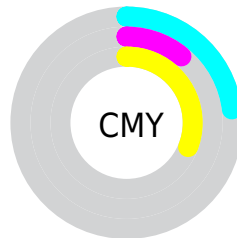
- Red (77%)
- Green (89%)
- Blue (69%)



- Red (69%)
- Yellow (89%)
- Blue (80%)



- Cyan (13%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 29.272, 130.687 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, 29.272, 130.687 by changing the saturation by 10% instead.

■ 87, 29.272,
130.687

■ 87, 29.272,
130.687

■ 100, 29.272,
130.687

■ 77, 29.272,
130.687

■ 67, 29.272,
130.687

■ 57, 29.272,
130.687

■ 47, 29.272,
130.687

■ 37, 29.272,
130.687

■ 27, 29.272,
130.687

■ 17, 29.272,


130.687


 7, 29.272, 130.687


 0, 29.272, 130.687

 87, 29.272,
130.687


 87, 29.272,
130.687

 86, 41.959,
130.196


 88, 16.475,
131.164


 85, 54.359,
129.709

 90, 3.682, 131.634


 84, 66.231,
129.270

 91, 9.021, 311.972

 83, 77.227,
128.951

 93, 16.436,
319.429

 82, 86.878,

 93, 17.412,
325.028

128.855

■ 81, 94.629,
129.111

■ 81, 100.026,
129.834

■ 80, 102.603,
130.568

Harmonies

Complementary

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



87, 29.272, 130.687



76, 30.044, 312.723

Rectangle

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



87, 29.272, 130.687



87, 29.272, 180.687



87, 29.272, 310.687



87, 29.272, 0.687

Sweetspot

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



87, 29.274, 130.689



99, 9.802, 131.432



83, 17.866, 79.300



53, 6.371, 131.404



0, 0.000, 0.000



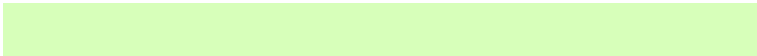
53, 0.007, 296.813

Same Dimension

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



87, 29.274, 130.689



96, 37.893, 130.479



86, 31.838, 144.743



47, 7.309, 131.322



65, 85.452, 130.323



18, 33.057, 130.078

Inverse Universe

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



76, 30.044, 312.723



81, 39.087, 312.928



78, 31.871, 327.582



45, 7.394, 312.100



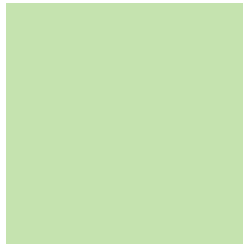
30, 93.896, 313.817



5, 36.091, 313.778

Previews

White Background



This preview shows how the CIELCh color 87, 29.272, 130.687 looks on a white background.

Color Contrast Check

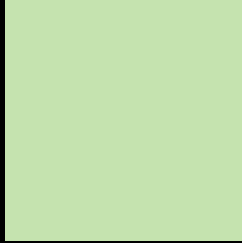
Large Text (above 18pt) WCAG AA × Fail

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, 29.272, 130.687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

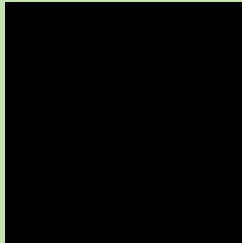
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

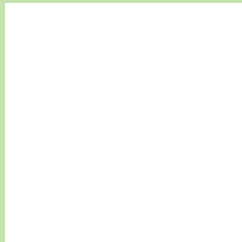
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 29.272, 130.687

Background



This preview shows how black text looks on a background with the CIELCh color 87, 29.272, 130.687.

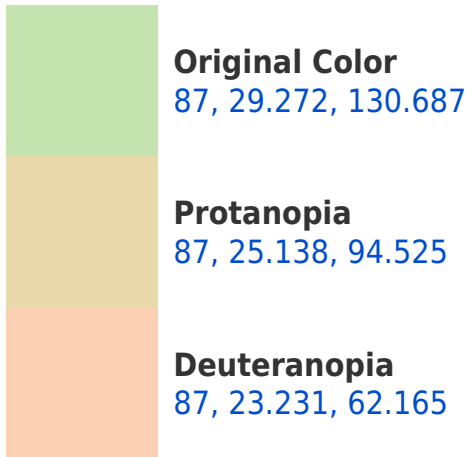


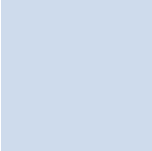
This preview shows how white text looks on a background with the CIELCh color 87, 29.272, 130.687.

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](#).

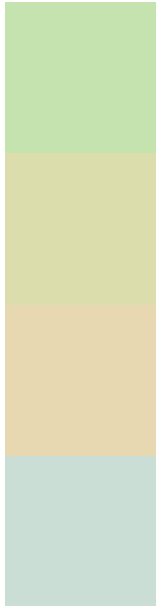
Dichromacy





Tritanopia
87, 9.860, 264.069

Trichromacy



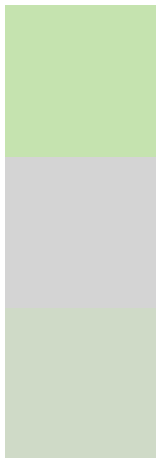
Original Color
87, 29.272, 130.687

Protanomaly
87, 25.398, 109.778

Deuteranomaly
87, 20.755, 91.050

Tritanomaly
87, 8.017, 167.440

Monochromacy



Original Color
87, 29.272, 130.687

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 10.760, 131.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 29.272, 130.687 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(197, 227, 175)` looks like.

```
.text, #text, p{  
    color:rgb(197, 227, 175)  
}
```

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(197, 227, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 227, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 29.272, 130.687 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(197, 227, 175) }
```

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

```
.border{ border-color:rgb(197, 227, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 227, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 227, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 227, 175);  
box-shadow:4px 4px 4px 4px rgb(197, 227,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 29.272, 130.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 227, 175) }
```

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

```
.background{ background-color: rgb(197,  
227, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor