

Converting Colors

CIELCh(89, 34.637, 127.812)

Have a look what the booklet for
CIELCh(89, 34.637, 127.812)
contains.

CIELCh(89, 34.607, 128.099)	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(89, 34.607, 128.099)

Conversions

Conversions Part 1

Format	Color
Hex	CAEAAB
RGB	202, 234, 171
RGB Percent	79%, 92%, 67%
CMY	0.2088, 0.0833, 0.3303
CMYK	0.14, 0.00, 0.27, 0.08
HSL	90°, 60%, 79%
HSV	90°, 27%, 92%
XYZ	60.9767, 74.1641, 49.5159
YIQ	217.2500, 1.1510, -26.3770

Conversions

Conversions Part 2

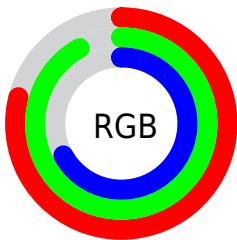
Format	Color
RYB	171, 234, 203
Decimal	13298347
CIELab	89.00, -21.35, 27.23
CIELCh	89, 34.607, 128.099
Yxy	74.1641, 0.3302, 0.4016
Android (android.graphics.Color)	4291488427 (0xFFCAEAAB)
YUV	217.2500, -22.8012, -13.3742
Hunter-Lab	86.1186, -24.3197, 26.1929

Details

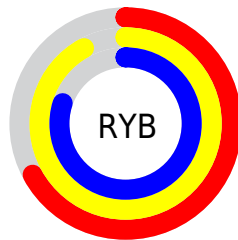
The CIELCh color **89, 34.607, 128.099** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75, 35.909, 310.640**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **69, 34.687, 128.104** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.237, 127.613**, and if you desaturate by 10%, it is **90, 21.790, 128.588**.

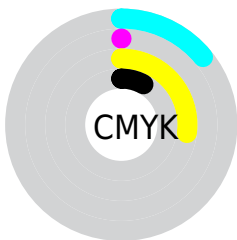
Distribution



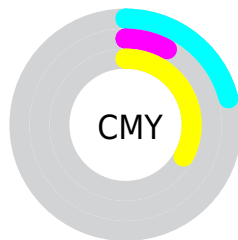
- Red (79%)
- Green (92%)
- Blue (67%)



- Red (67%)
- Yellow (92%)
- Blue (80%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 34.607, 128.099 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 89, 34.607, 128.099 by changing the saturation by 10% instead.

■ 89, 34.607,
128.099

■ 89, 34.607,
128.099

■ 100, 34.607,
128.099

■ 79, 34.607,
128.099

■ 69, 34.607,
128.099

■ 59, 34.607,
128.099

■ 49, 34.607,
128.099

■ 39, 34.607,
128.099


■ 29, 34.607,
128.099

■ 19, 34.607,

128.099


 9, 34.607, 128.099


 0, 34.607, 128.099


 89, 34.607,
128.099


 89, 34.607,
128.099

 88, 47.237,
127.613


 90, 21.790,
128.588


 87, 59.481,
127.158

 92, 8.915, 129.060


 86, 71.057,
126.790

 93, 3.923, 309.442

 85, 81.568,
126.594

 94, 12.249,
317.013

 84, 90.490,

 95, 13.256,
324.879

126.686

■ 84, 97.271,
127.198

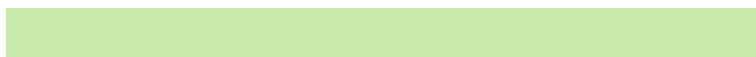
■ 83, 101.616,
128.206

■ 83, 102.659,
128.552

Harmonies

Complementary

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



89, 34.607, 128.099



75, 35.909, 310.640

Rectangle

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



89, 34.607, 128.099



89, 34.607, 178.099



89, 34.607, 308.099



89, 34.607, 358.099

Sweetspot

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



89, 34.609, 128.101



99, 11.022, 129.009



83, 20.833, 72.054



53, 7.836, 128.938



0, 0.000, 0.000



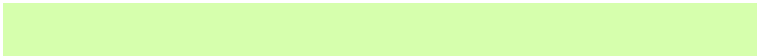
53, 0.007, 296.813

Same Dimension

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



89, 34.609, 128.101



95, 44.020, 127.845



87, 40.133, 142.595



49, 7.318, 128.942



66, 84.554, 128.283



19, 33.814, 127.533

Inverse Universe

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



75, 35.909, 310.640



77, 46.031, 310.918



78, 40.138, 325.910



46, 7.418, 309.760



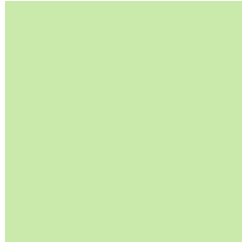
28, 96.310, 312.098



4, 37.718, 311.882

Previews

White Background



This preview shows how the CIELCh color 89, 34.607, 128.099 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 89, 34.607, 128.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

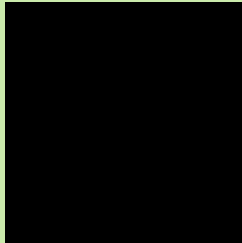
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

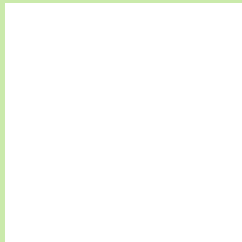
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 34.607, 128.099

Background



This preview shows how black text looks on a background with the CIELCh color 89, 34.607, 128.099.

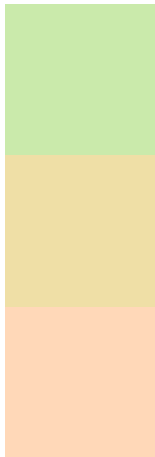


This preview shows how white text looks on a background with the CIELCh color 89, 34.607, 128.099.

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
89, 34.607, 128.099

Protanopia
89, 30.109, 95.568

Deuteranopia
89, 22.691, 66.659

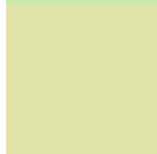


Tritanopia
89, 10.151, 267.160

Trichromacy



Original Color
89, 34.607, 128.099



Protanomaly
89, 30.358, 109.128



Deuteranomaly
89, 22.929, 94.593

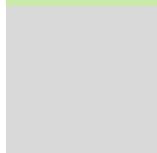


Tritanomaly
89, 9.551, 158.001

Monochromacy



Original Color
89, 34.607, 128.099



Achromatopsia
87, 0.010, 296.813



Achromatomaly
87, 12.795, 129.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 34.607, 128.099 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(202, 234, 171)` looks like.

```
.text, #text, p{  
    color:rgb(202, 234, 171)  
}
```

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(202, 234, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 234, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 34.607, 128.099 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(202, 234, 171) }
```

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

```
.border{ border-color:rgb(202, 234, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 234, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 234, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 234, 171);  
box-shadow:4px 4px 4px 4px rgb(202, 234,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 34.607, 128.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 234, 171) }
```

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

```
.background{ background-color: rgb(202,  
234, 171) }
```

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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