

Converting Colors

CIELCh(89, 34.014, 133.615)

Have a look what the booklet for
CIELCh(89, 34.014, 133.615)
contains.

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Color

CIELCh(89, 33.947, 133.870)

Conversions

Conversions Part 1

Format	Color
Hex	C3EBB0
RGB	195, 235, 176
RGB Percent	76%, 92%, 69%
CMY	0.2352, 0.0784, 0.3097
CMYK	0.17, 0.00, 0.25, 0.08
HSL	101°, 60%, 81%
HSV	101°, 25%, 92%
XYZ	60.0597, 74.1641, 52.2307
YIQ	216.3140, -4.9010, -26.8290

Conversions

Conversions Part 2

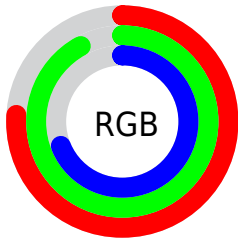
Format	Color
RYB	176, 235, 216
Decimal	12839856
CIELab	89.00, -23.53, 24.47
CIELCh	89, 33.947, 133.870
Yxy	74.1641, 0.3221, 0.3978
Android (android.graphics.Color)	4291029936 (0xFFC3EBB0)
YUV	216.3140, -19.8748, -18.6924
Hunter-Lab	86.1186, -26.2205, 24.3238

Details

The CIELCh color **89, 33.947, 133.870** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77, 34.655, 316.108**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 11.704, 114.599**, and **69, 33.879, 133.590** is the 20% darker color. If you saturate the color by 10%, you get **88, 47.350, 133.335**, and if you desaturate by 10%, it is **91, 20.404, 134.375**.

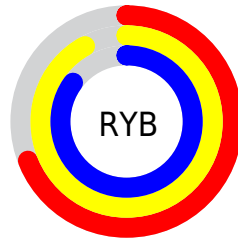
Distribution



Red (76%)

Green (92%)

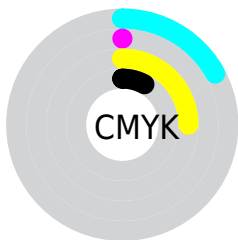
Blue (69%)



Red (69%)

Yellow (92%)

Blue (85%)

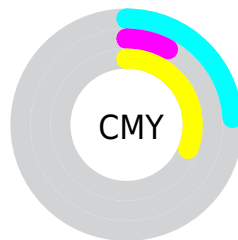


Cyan (17%)

Magenta (0%)

Yellow (25%)

Black (8%)



Cyan (24%)

Magenta (8%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 33.947, 133.870 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, 33.947, 133.870 by changing the saturation by 10% instead.

■ 89, 33.947,
133.870

■ 89, 33.947,
133.870

■ 100, 33.947,
133.870

■ 79, 33.947,
133.870

■ 69, 33.947,
133.870

■ 59, 33.947,
133.870

■ 49, 33.947,
133.870

■ 39, 33.947,
133.870


■ 29, 33.947,
133.870


■ 19, 33.947,


133.870


 9, 33.947, 133.870


 0, 33.947, 133.870

 89, 33.947,
133.870


 89, 33.947,
133.870

 88, 47.350,
133.335

 91, 20.404,
134.375


 86, 60.397,
132.791

 92, 6.865, 134.849

 85, 72.797,
132.283

 94, 6.562, 315.195

 84, 84.143,
131.888

 95, 12.469,
324.850

 84, 93.903,

131.715

■ 83, 101.488,
131.899

■ 83, 106.482,
132.533

■ 82, 108.187,
132.933

Harmonies

Complementary

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



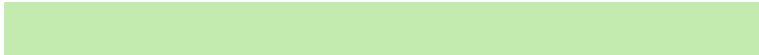
89, 33.947, 133.870



77, 34.655, 316.108

Rectangle

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



89, 33.947, 133.870



89, 33.947, 183.870



89, 33.947, 313.870



89, 33.947, 3.870

Sweetspot

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



89, 33.949, 133.871



99, 11.513, 134.710



87, 21.910, 87.895



52, 8.188, 134.639



0, 0.000, 0.000



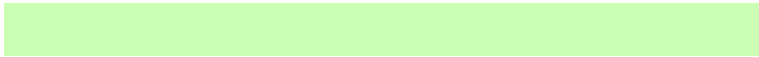
53, 0.007, 296.813

Same Dimension

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



89, 33.949, 133.871



95, 43.308, 133.605



88, 33.429, 147.581



48, 7.646, 134.643



65, 88.746, 132.711



19, 35.517, 132.468

Inverse Universe

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



77, 34.655, 316.108



80, 44.392, 316.332



79, 33.533, 330.943



46, 7.713, 315.413



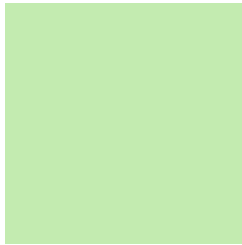
33, 92.973, 316.693



6, 38.433, 317.616

Previews

White Background



This preview shows how the CIELCh color 89, 33.947, 133.870 looks on a white background.

Color Contrast Check

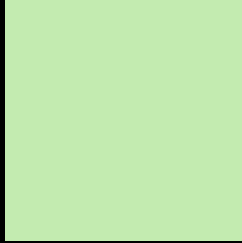
Large Text (above 18pt) WCAG AA × Fail

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, 33.947, 133.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

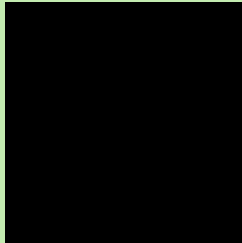
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

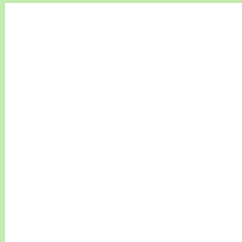
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 33.947, 133.870

Background



This preview shows how black text looks on a background with the CIELCh color 89, 33.947, 133.870.

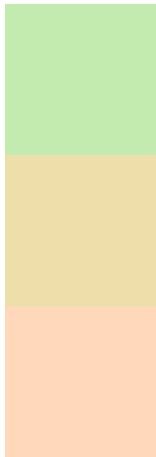


This preview shows how white text looks on a background with the CIELCh color 89, 33.947, 133.870.

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, 33.947, 133.870

Protanopia
89, 28.019, 95.721

Deuteranopia
89, 21.818, 63.396

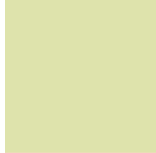


Tritanopia
89, 11.410, 254.659

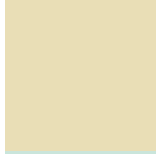
Trichromacy



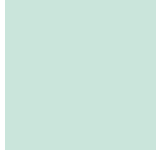
Original Color
89, 33.947, 133.870



Protanomaly
89, 28.396, 111.736



Deuteranomaly
88, 21.155, 96.863

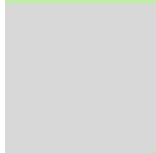


Tritanomaly
89, 10.935, 170.235

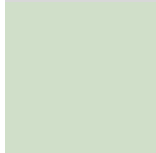
Monochromacy



Original Color
89, 33.947, 133.870



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 12.759, 134.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 33.947, 133.870 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(195, 235, 176)` looks like.

```
.text, #text, p{  
    color:rgb(195, 235, 176)  
}
```

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(195, 235, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 235, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 33.947, 133.870 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(195, 235, 176) }
```

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

```
.border{ border-color:rgb(195, 235, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 235, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 235, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 235, 176);  
box-shadow:4px 4px 4px 4px rgb(195, 235,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 33.947, 133.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 235, 176) }
```

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

```
.background{ background-color: rgb(195,  
235, 176) }
```

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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