

Converting Colors

CIELCh(89, 13.405, 101.523)

Have a look what the booklet for
CIELCh(89, 13.405, 101.523)
contains.

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Color

CIELCh(89, 13.083, 100.867)

Conversions

Conversions Part 1

Format	Color
Hex	E5E0C7
RGB	229, 224, 199
RGB Percent	90%, 88%, 78%
CMY	0.1016, 0.1212, 0.2192
CMYK	0.00, 0.02, 0.13, 0.10
HSL	50°, 37%, 84%
HSV	50°, 13%, 90%
XYZ	69.3446, 74.1641, 64.7501
YIQ	222.6450, 11.0050, -6.7150

Conversions

Conversions Part 2

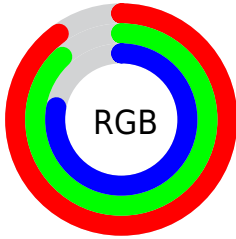
Format	Color
RYB	205, 229, 199
Decimal	15065287
CIELab	89.00, -2.47, 12.85
CIELCh	89, 13.083, 100.867
Yxy	74.1641, 0.3330, 0.3561
Android (android.graphics.Color)	4293255367 (0xFFE5E0C7)
YUV	222.6450, -11.6570, 5.5733
Hunter-Lab	86.1186, -6.9755, 15.7046

Details

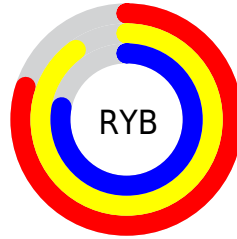
The CIELCh color **89, 13.083, 100.867** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 13.322, 283.931**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 13.194, 101.886** is the 20% darker color. If you saturate the color by 10%, you get **88, 23.123, 99.733**, and if you desaturate by 10%, it is **91, 3.076, 101.955**.

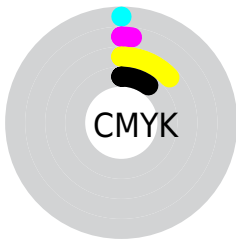
Distribution



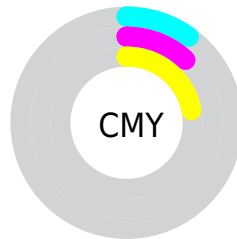
- Red (90%)
- Green (88%)
- Blue (78%)



- Red (80%)
- Yellow (90%)
- Blue (78%)



- Cyan (0%)
- Magenta (2%)
- Yellow (13%)
- Black (10%)





- Cyan (10%)
- Magenta (12%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 13.083, 100.867 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, 13.083, 100.867 by changing the saturation by 10% instead.


 89, 13.083,
100.867


 89, 13.083,
100.867


 100, 13.083,
100.867


 79, 13.083,
100.867

 69, 13.083,
100.867

 59, 13.083,
100.867

 49, 13.083,
100.867

 39, 13.083,
100.867

 29, 13.083,
100.867

 19, 13.083,

100.867

■ 9, 13.083, 100.867

■ 0, 13.083, 100.867

■ 89, 13.083,
100.867

■ 89, 13.083,
100.867

■ 88, 23.123, 99.733

■ 91, 3.076, 101.955

■ 86, 33.129, 98.565

■ 92, 6.870, 283.106

■ 85, 42.997, 97.381

■ 93, 10.232,
278.602

■ 84, 52.542, 96.194

■ 94, 8.707, 267.180

■ 82, 61.459, 95.009

■ 95, 7.653, 251.909

■ 81, 69.265, 93.830

■ 96, 7.270, 233.605

80, 75.294, 92.645

97, 7.651, 215.361

79, 78.860, 91.417

98, 8.689, 200.218

78, 80.002, 90.530

98, 8.821, 198.923

Harmonies

Complementary

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



89, 13.083, 100.867



82, 13.322, 283.931

Rectangle

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



89, 13.083, 100.867



89, 13.083, 150.867



89, 13.083, 280.867



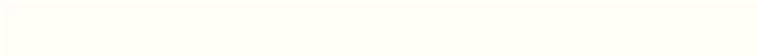
89, 13.083, 330.867

Sweetspot

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



89, 13.085, 100.876



99, 4.340, 101.864



83, 11.457, 7.016



53, 3.087, 101.786



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, 13.085, 100.876



97, 17.452, 100.537



90, 15.972, 122.338



47, 5.676, 101.282



62, 66.474, 90.757



17, 25.163, 93.203

Inverse Universe

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



82, 13.322, 283.931



89, 17.837, 284.338



82, 16.365, 303.800



45, 5.755, 283.465



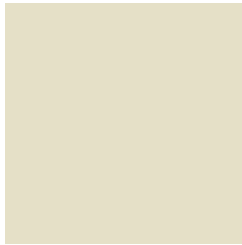
24, 92.453, 303.390



4, 29.816, 293.250

Previews

White Background



This preview shows how the CIELCh color 89, 13.083, 100.867 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, 13.083, 100.867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

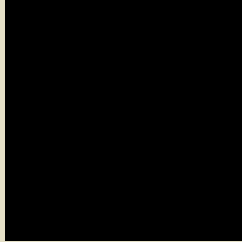
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

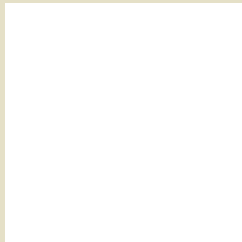
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 13.083, 100.867

Background



This preview shows how black text looks on a background with the CIELCh color 89, 13.083, 100.867.

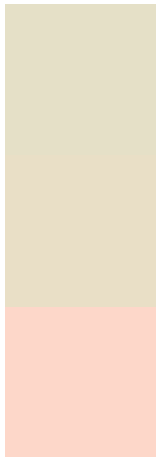


This preview shows how white text looks on a background with the CIELCh color 89, 13.083, 100.867.

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](#).

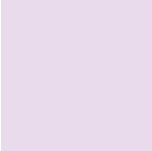
Dichromacy



Original Color
89, 13.083, 100.867

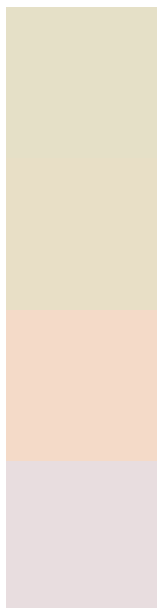
Protanopia
89, 13.489, 92.889

Deuteranopia
89, 16.221, 46.740



Tritanopia
89, 10.380, 321.534

Trichromacy



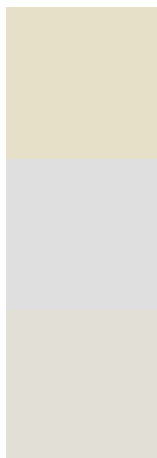
Original Color
89, 13.083, 100.867

Protanomaly
89, 13.388, 94.447

Deuteranomaly
89, 13.601, 63.068

Tritanomaly
89, 4.114, 4.934

Monochromacy



Original Color
89, 13.083, 100.867

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.719, 100.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 13.083, 100.867 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(229, 224, 199)` looks like.

```
.text, #text, p{  
    color:rgb(229, 224, 199)  
}
```

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(229, 224, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 224, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 13.083, 100.867 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(229, 224, 199) }
```

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

```
.border{ border-color:rgb(229, 224, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 224, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 224, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 224, 199);  
box-shadow:4px 4px 4px 4px rgb(229, 224,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 13.083, 100.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 224, 199) }
```

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

```
.background{ background-color: rgb(229,  
224, 199) }
```

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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