

Converting Colors

CIELCh(89, 10.717, 159.259)

Have a look what the booklet for
CIELCh(89, 10.717, 159.259)
contains.

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Color

CIELCh(89, 10.701, 159.536)

Conversions

Conversions Part 1

Format	Color
Hex	CEE5D8
RGB	206, 229, 216
RGB Percent	81%, 90%, 85%
CMY	0.1919, 0.1017, 0.1527
CMYK	0.10, 0.00, 0.06, 0.10
HSL	146°, 31%, 85%
HSV	146°, 10%, 90%
XYZ	65.9093, 74.1641, 75.8484
YIQ	220.6410, -9.5350, -8.9190

Conversions

Conversions Part 2

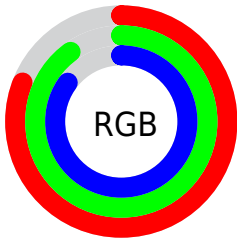
Format	Color
R_{YB}	206, 222, 229
Decimal	13559256
CIE _{Lab}	89.00, -10.03, 3.74
CIE _{LCh}	89, 10.701, 159.536
Yxy	74.1641, 0.3052, 0.3435
Android (android.graphics.Color)	4291749336 (0xFFCEE5D8)
YUV	220.6410, -2.2880, -12.8402
Hunter-Lab	86.1186, -14.0959, 8.0637

Details

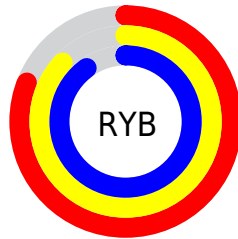
The CIELCh color **89, 10.701, 159.536** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 10.811, 341.048**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 10.989, 158.108** is the 20% darker color. If you saturate the color by 10%, you get **87, 21.371, 158.620**, and if you desaturate by 10%, it is **91, 0.038, 171.420**.

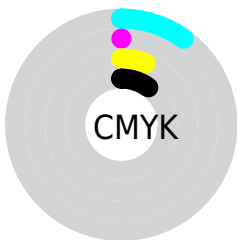
Distribution



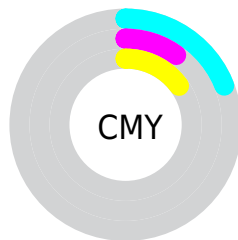
- Red (81%)
- Green (90%)
- Blue (85%)



- Red (81%)
- Yellow (87%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)





- Cyan (19%)
- Magenta (10%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 10.701, 159.536 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, 10.701, 159.536 by changing the saturation by 10% instead.


 89, 10.701,
159.536


 89, 10.701,
159.536


 100, 10.701,
159.536


 79, 10.701,
159.536

 69, 10.701,
159.536

 59, 10.701,
159.536

 49, 10.701,
159.536

 39, 10.701,
159.536

 29, 10.701,
159.536

 19, 10.701,

159.536

■ 9, 10.701, 159.536

■ 0, 10.701, 159.536

■ 89, 10.701,
159.536

■ 89, 10.701,
159.536

■ 87, 21.371,
158.620

■ 91, 0.038, 171.420

■ 86, 31.906,
157.606

■ 93, 10.518,
340.967

■ 84, 42.143,
156.458

■ 94, 16.168,
325.079

■ 83, 51.899,
155.151

■ 94, 16.207,
324.985

■ 82, 60.988,

153.660

■ 81, 69.240,
151.965

■ 81, 76.533,
150.059

■ 80, 82.819,
147.957

■ 80, 88.190,
145.762

Harmonies

Complementary

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



89, 10.701, 159.536



85, 10.811, 341.048

Rectangle

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



89, 10.701, 159.536



89, 10.701, 209.536



89, 10.701, 339.536



89, 10.701, 29.536

Sweetspot

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



89, 10.703, 159.533



99, 3.474, 160.194



90, 12.482, 126.239



53, 2.636, 160.103



0, 0.000, 0.000



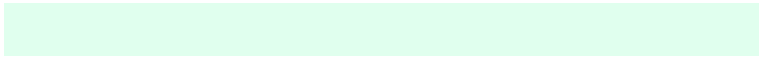
53, 0.007, 296.813

Same Dimension

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



89, 10.703, 159.533



97, 13.958, 159.353



89, 8.077, 193.238



47, 6.061, 159.584



64, 72.557, 146.157



18, 27.912, 150.329

Inverse Universe

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



85, 10.811, 341.048



92, 14.120, 341.223



85, 8.541, 14.600



45, 6.120, 340.997



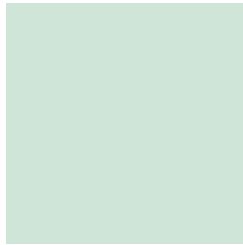
39, 65.975, 355.856



7, 28.367, 350.164

Previews

White Background



This preview shows how the CIELCh color 89, 10.701, 159.536 looks on a white background.

Color Contrast Check

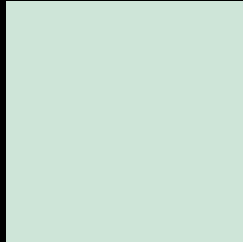
Large Text (above 18pt) WCAG AA × Fail

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 89, 10.701, 159.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

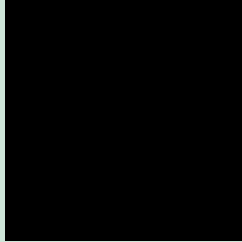
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

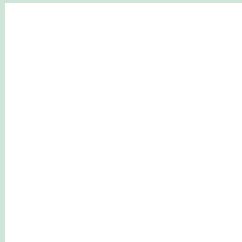
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 10.701, 159.536

Background



This preview shows how black text looks on a background with the CIELCh color 89, 10.701, 159.536.

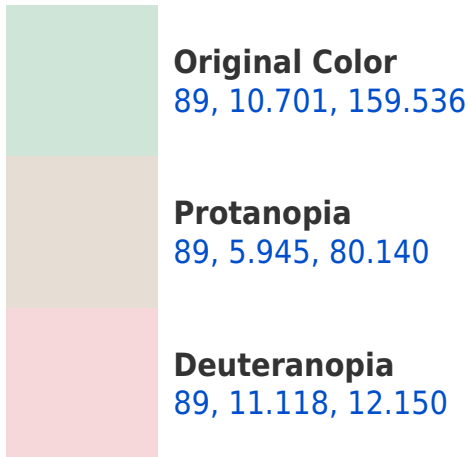


This preview shows how white text looks on a background with the CIELCh color 89, 10.701, 159.536.

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](#).

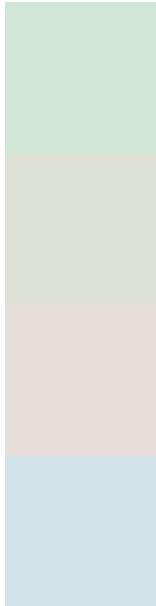
Dichromacy





Tritanopia
89, 10.416, 263.734

Trichromacy



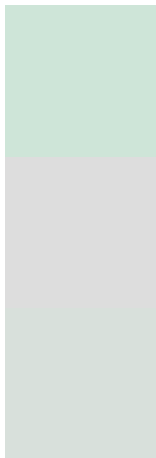
Original Color
89, 10.701, 159.536

Protanomaly
89, 6.406, 122.773

Deuteranomaly
89, 3.942, 42.757

Tritanomaly
89, 6.856, 231.357

Monochromacy



Original Color
89, 10.701, 159.536

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 3.891, 157.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 10.701, 159.536 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(206, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(206, 229, 216)  
}
```

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(206, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 229, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 10.701, 159.536 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(206, 229, 216) }
```

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

```
.border{ border-color:rgb(206, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 229, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 229, 216);  
box-shadow:4px 4px 4px 4px rgb(206, 229,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 10.701, 159.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 229, 216) }
```

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

```
.background{ background-color: rgb(206,  
229, 216) }
```

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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