

Converting Colors

CIELCh(89, 26.937, 165.060)

Have a look what the booklet for
CIELCh(89, 26.937, 165.060)
contains.

CIELCh(89, 27.009, 164.935)	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, 27.009, 164.935)

Conversions

Conversions Part 1

Format	Color
Hex	ACEDD1
RGB	172, 237, 209
RGB Percent	67%, 93%, 82%
CMY	0.3243, 0.0694, 0.1792
CMYK	0.27, 0.00, 0.12, 0.07
HSL	154°, 65%, 80%
HSV	154°, 27%, 93%
XYZ	58.9932, 74.1641, 71.7176
YIQ	214.3730, -29.7520, -22.4880

Conversions

Conversions Part 2

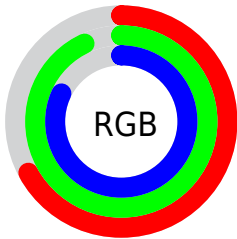
Format	Color
RYB	172, 213, 237
Decimal	11333073
CIELab	89.00, -26.08, 7.02
CIELCh	89, 27.009, 164.935
Yxy	74.1641, 0.2879, 0.3620
Android (android.graphics.Color)	4289523153 (0xFFACEDD1)
YUV	214.3730, -2.6489, -37.1611
Hunter-Lab	86.1186, -28.4309, 10.9076

Details

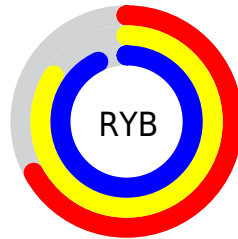
The CIELCh color **89, 27.009, 164.935** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77, 28.324, 350.273**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **69, 26.930, 165.214** is the 20% darker color. If you saturate the color by 10%, you get **88, 36.415, 163.767**, and if you desaturate by 10%, it is **91, 17.276, 165.988**.

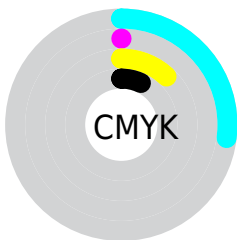
Distribution



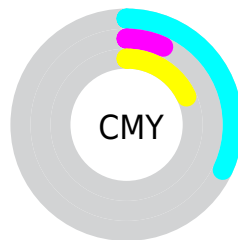
- Red (67%)
- Green (93%)
- Blue (82%)



- Red (67%)
- Yellow (84%)
- Blue (93%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)




- Cyan (32%)
- Magenta (7%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 27.009, 164.935 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, 27.009, 164.935 by changing the saturation by 10% instead.


 89, 27.009,
164.935

 89, 27.009,
164.935


 100, 27.009,
164.935

 79, 27.009,
164.935

 69, 27.009,
164.935

 59, 27.009,
164.935

 49, 27.009,
164.935

 39, 27.009,
164.935


 29, 27.009,
164.935

 19, 27.009,


164.935


 9, 27.009, 164.935


 0, 27.009, 164.935

 89, 27.009,
164.935


 89, 27.009,
164.935

 88, 36.415,
163.767


 91, 17.276,
165.988

 86, 45.322,
162.461

 92, 7.363, 166.972


 85, 53.562,
160.990

 94, 2.599, 347.582

 85, 60.986,
159.328

 96, 9.124, 333.588

 84, 67.491,

 96, 11.037,
324.797

157.457

■ 84, 73.044,
155.369

■ 83, 77.722,
153.092

■ 83, 78.867,
152.503

Harmonies

Complementary

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



89, 27.009, 164.935



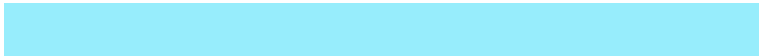
77, 28.324, 350.273

Rectangle

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



89, 27.009, 164.935



89, 27.009, 214.935



89, 27.009, 344.935



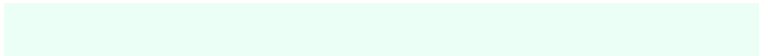
89, 27.009, 34.935

Sweetspot

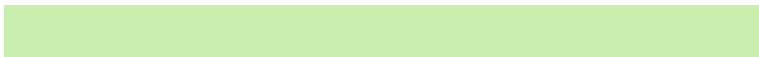
The Sweet Spot groups the original color and five complimentary colors.



89, 27.011, 164.933



98, 8.442, 166.909



90, 36.167, 130.116



52, 5.999, 166.762



0, 0.000, 0.000



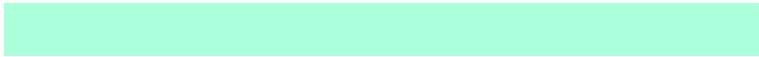
53, 0.007, 296.813

Same Dimension

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



89, 27.011, 164.933



94, 34.267, 164.280



89, 19.878, 204.714



49, 5.702, 166.767



66, 64.558, 152.913



20, 26.289, 156.673

Inverse Universe

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



77, 28.324, 350.273



79, 36.286, 350.986



77, 24.101, 26.830



47, 5.800, 348.351



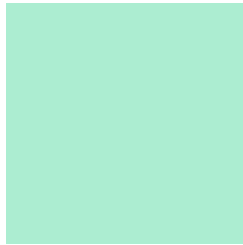
39, 66.011, 8.646



8, 28.957, 1.040

Previews

White Background



This preview shows how the CIE LCh color 89, 27.009, 164.935 looks on a white background.

Color Contrast Check

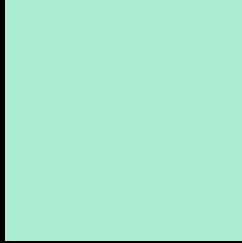
Large Text (above 18pt) WCAG AA × Fail

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, 27.009, 164.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

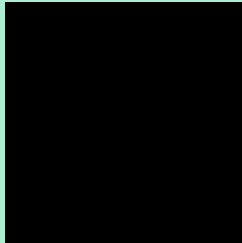
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

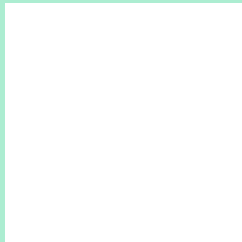
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 27.009, 164.935

Background



This preview shows how black text looks on a background with the CIELCh color 89, 27.009, 164.935.

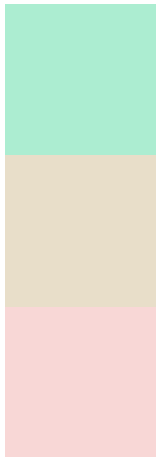


This preview shows how white text looks on a background with the CIELCh color 89, 27.009, 164.935.

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, 27.009, 164.935

Protanopia

89, 11.513, 90.285

Deuteranopia

89, 12.238, 22.667

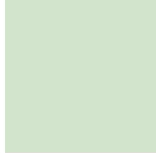


Tritanopia
89, 18.605, 230.870

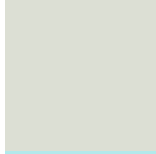
Trichromacy



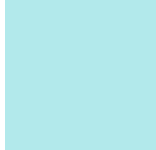
Original Color
89, 27.009, 164.935



Protanomaly
89, 14.142, 136.838



Deuteranomaly
88, 5.828, 120.488

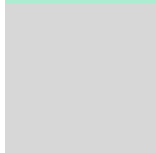


Tritanomaly
89, 18.214, 201.533

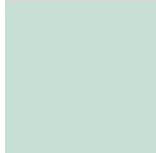
Monochromacy



Original Color
89, 27.009, 164.935



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 10.084, 167.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 27.009, 164.935 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(172, 237, 209)` looks like.

```
.text, #text, p{  
    color:rgb(172, 237, 209)  
}
```

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(172, 237, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 237, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 27.009, 164.935 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(172, 237, 209) }
```

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

```
.border{ border-color:rgb(172, 237, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 237, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 237, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 237, 209);  
box-shadow:4px 4px 4px 4px rgb(172, 237,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 27.009, 164.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 237, 209) }
```

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

```
.background{ background-color: rgb(172,  
237, 209) }
```

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