

Converting Colors

CIELCh(89, 28.360, 165.437)

Have a look what the booklet for
CIELCh(89, 28.360, 165.437)
contains.

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Color

CIELCh(89, 28.373, 165.371)

Conversions

Conversions Part 1

Format	Color
Hex	A9EED1
RGB	169, 238, 209
RGB Percent	66%, 93%, 82%
CMY	0.3374, 0.0668, 0.1805
CMYK	0.29, 0.00, 0.12, 0.07
HSL	155°, 67%, 80%
HSV	155°, 29%, 93%
XYZ	58.4256, 74.1641, 71.5375
YIQ	214.0630, -31.8150, -23.6470

Conversions

Conversions Part 2

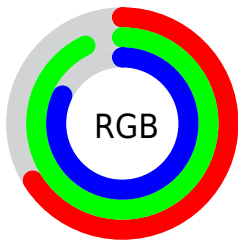
Format	Color
RYB	169, 213, 238
Decimal	11136721
CIELab	89.00, -27.45, 7.17
CIELCh	89, 28.373, 165.371
Yxy	74.1641, 0.2862, 0.3633
Android (android.graphics.Color)	4289326801 (0xFFA9EED1)
YUV	214.0630, -2.4961, -39.5203
Hunter-Lab	86.1186, -29.6075, 11.0317

Details

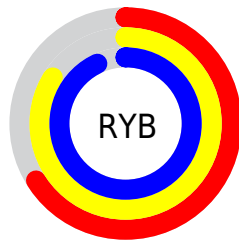
The CIELCh color **89, 28.373, 165.371** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76, 29.910, 351.124**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.843, 198.851**, and **69, 28.306, 165.555** is the 20% darker color. If you saturate the color by 10%, you get **88, 37.638, 164.180**, and if you desaturate by 10%, it is **91, 18.747, 166.444**.

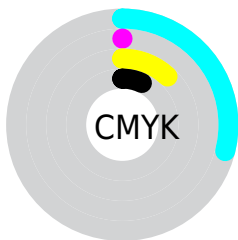
Distribution



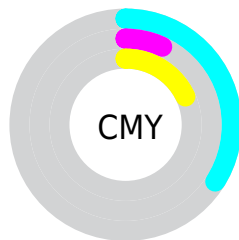
- Red (66%)
- Green (93%)
- Blue (82%)



- Red (66%)
- Yellow (84%)
- Blue (93%)



- Cyan (29%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)





- Cyan (34%)
- Magenta (7%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 28.373, 165.371 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, 28.373, 165.371 by changing the saturation by 10% instead.


 89, 28.373,
165.371


 89, 28.373,
165.371


 100, 28.373,
165.371


 79, 28.373,
165.371

 69, 28.373,
165.371

 59, 28.373,
165.371

 49, 28.373,
165.371

 39, 28.373,
165.371


 29, 28.373,
165.371


 19, 28.373,


165.371


 9, 28.373, 165.371

 0, 28.373, 165.371


 89, 28.373,
165.371


 89, 28.373,
165.371

 88, 37.638,
164.180


 91, 18.747,
166.444

 86, 46.369,
162.849

 92, 8.911, 167.438


 85, 54.403,
161.350

 94, 1.002, 347.771

 85, 61.596,
159.658

 96, 8.277, 336.967

 84, 67.857,

 96, 10.619,
324.782

157.755

■ 84, 73.171,
155.637

■ 83, 77.661,
153.351

■ 83, 78.094,
153.126

Harmonies

Complementary

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



89, 28.373, 165.371



76, 29.910, 351.124

Rectangle

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



89, 28.373, 165.371



89, 28.373, 215.371



89, 28.373, 345.371



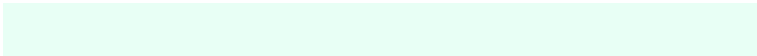
89, 28.373, 35.371

Sweetspot

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



89, 28.374, 165.369



98, 9.428, 167.435



90, 38.351, 130.036



52, 6.550, 167.291



0, 0.000, 0.000



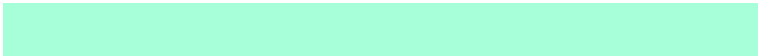
53, 0.007, 296.813

Same Dimension

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



89, 28.374, 165.369



94, 35.943, 164.655



88, 20.955, 204.693



49, 5.661, 167.391



66, 63.791, 153.539



20, 26.003, 157.290

Inverse Universe

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



76, 29.910, 351.124



78, 38.304, 351.919



77, 25.733, 26.967



47, 5.762, 348.985



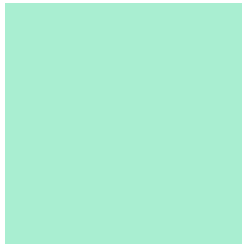
39, 66.073, 9.672



8, 28.911, 1.883

Previews

White Background



This preview shows how the CIELCh color 89, 28.373, 165.371 looks on a white background.

Color Contrast Check

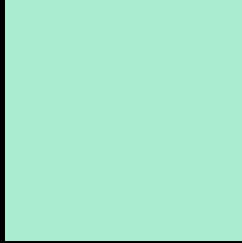
Large Text (above 18pt) WCAG AA × Fail

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, 28.373, 165.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

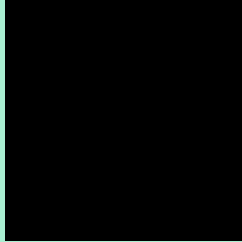
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

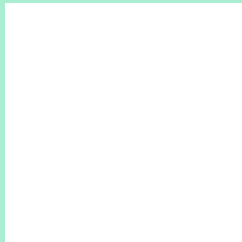
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 28.373, 165.371

Background



This preview shows how black text looks on a background with the CIELCh color 89, 28.373, 165.371.

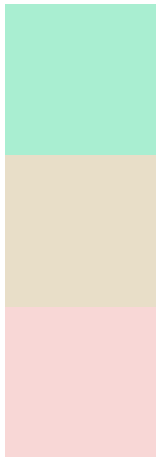


This preview shows how white text looks on a background with the CIELCh color 89, 28.373, 165.371.

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, 28.373, 165.371

Protanopia
89, 12.007, 91.020

Deuteranopia
89, 12.238, 22.667

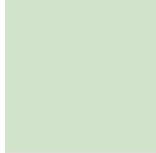


Tritanopia
89, 19.600, 228.970

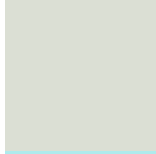
Trichromacy



Original Color
89, 28.373, 165.371



Protanomaly
89, 14.778, 137.120

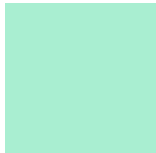


Deuteranomaly
88, 5.912, 123.931

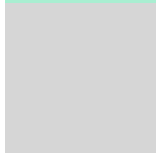


Tritanomaly
89, 19.408, 201.253

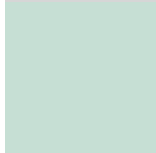
Monochromacy



Original Color
89, 28.373, 165.371



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 10.676, 166.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 28.373, 165.371 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(169, 238, 209)` looks like.

```
.text, #text, p{  
    color:rgb(169, 238, 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(169, 238, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 238, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 28.373, 165.371 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(169, 238, 209) }
```

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

```
.border{ border-color:rgb(169, 238, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 238, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 238, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 238, 209);  
box-shadow:4px 4px 4px 4px rgb(169, 238,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 28.373, 165.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 238, 209) }
```

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

```
.background{ background-color: rgb(169,  
238, 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](#).

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