

Converting Colors

CIELCh(89, 12.363, 173.172)

Have a look what the booklet for
CIELCh(89, 12.363, 173.172)
contains.

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Color

CIELCh(89, 12.148, 173.194)

Conversions

Conversions Part 1

Format	Color
Hex	C7E6DC
RGB	199, 230, 220
RGB Percent	78%, 90%, 86%
CMY	0.2183, 0.0966, 0.1359
CMYK	0.13, 0.00, 0.04, 0.10
HSL	161°, 39%, 84%
HSV	161°, 13%, 90%
XYZ	65.0035, 74.1641, 78.8409
YIQ	219.5910, -15.2660, -9.6820

Conversions

Conversions Part 2

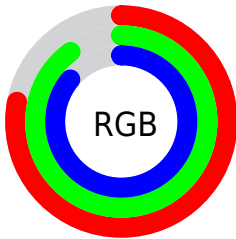
Format	Color
RYB	199, 217, 230
Decimal	13100764
CIELab	89.00, -12.06, 1.44
CIElCh	89, 12.148, 173.194
Yxy	74.1641, 0.2982, 0.3402
Android (android.graphics.Color)	4291290844 (0xFFC7E6DC)
YUV	219.5910, 0.2016, -18.0583
Hunter-Lab	86.1186, -15.9734, 6.0035

Details

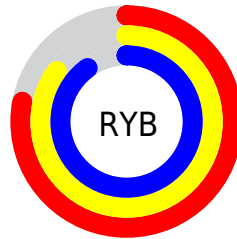
The CIELCh color **89, 12.148, 173.194** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 12.591, 355.680**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 11.849, 173.732** is the 20% darker color. If you saturate the color by 10%, you get **87, 20.956, 172.148**, and if you desaturate by 10%, it is **91, 3.139, 174.259**.

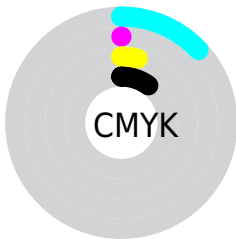
Distribution



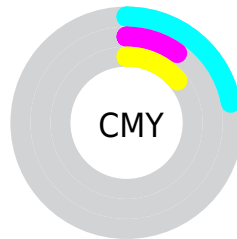
- Red (78%)
- Green (90%)
- Blue (86%)



- Red (78%)
- Yellow (85%)
- Blue (90%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



- Cyan (22%)
- Magenta (10%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 12.148, 173.194 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, 12.148, 173.194 by changing the saturation by 10% instead.


 89, 12.148,
173.194

 89, 12.148,
173.194


 100, 12.148,
173.194


 79, 12.148,
173.194

 69, 12.148,
173.194

 59, 12.148,
173.194

 49, 12.148,
173.194

 39, 12.148,
173.194

 29, 12.148,
173.194

 19, 12.148,

173.194

■ 9, 12.148, 173.194

■ 0, 12.148, 173.194

■ 89, 12.148,
173.194

■ 89, 12.148,
173.194

■ 87, 20.956,
172.148

■ 91, 3.139, 174.259

■ 86, 29.422,
171.027

■ 93, 5.959, 354.889

■ 85, 37.397,
169.799

■ 94, 10.843,
344.487


■ 84, 44.727,
168.437


■ 94, 13.405,
331.092


■ 83, 51.274,


■ 94, 15.396,
324.956

166.918

 82, 56.934,
165.215

 82, 61.666,
163.310

 82, 65.510,
161.201

 81, 67.678,
159.759

Harmonies

Complementary

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



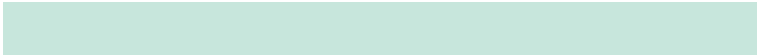
89, 12.148, 173.194



83, 12.591, 355.680

Rectangle

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



89, 12.148, 173.194



89, 12.148, 223.194



89, 12.148, 353.194



89, 12.148, 43.194

Sweetspot

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



89, 12.150, 173.189



99, 3.939, 174.185



89, 17.824, 134.093



53, 2.799, 174.092



0, 0.000, 0.000



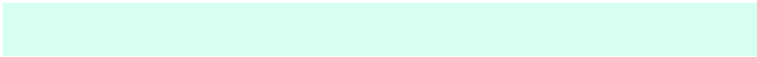
53, 0.007, 296.813

Same Dimension

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



89, 12.150, 173.189



97, 15.646, 172.921



88, 9.226, 215.955



47, 5.124, 173.595



64, 55.551, 160.161



18, 21.899, 164.132

Inverse Universe

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



83, 12.591, 355.680



89, 16.330, 355.972



84, 10.075, 35.611



45, 5.256, 355.246



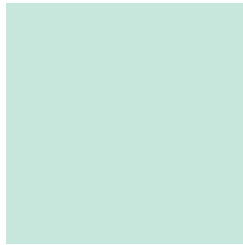
38, 66.369, 18.880



7, 26.687, 7.205

Previews

White Background



This preview shows how the CIELCh color 89, 12.148, 173.194 looks on a white background.

Color Contrast Check

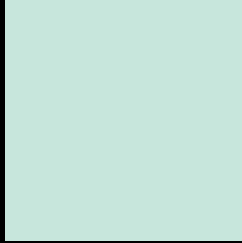
Large Text (above 18pt) WCAG AA × Fail

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, 12.148, 173.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

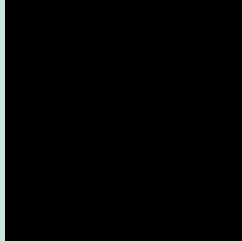
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

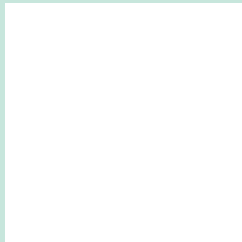
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 12.148, 173.194

Background



This preview shows how black text looks on a background with the CIELCh color 89, 12.148, 173.194.

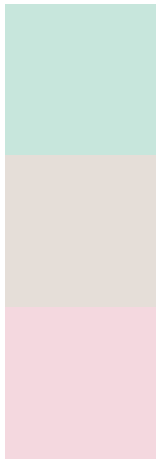


This preview shows how white text looks on a background with the CIELCh color 89, 12.148, 173.194.

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, 12.148, 173.194

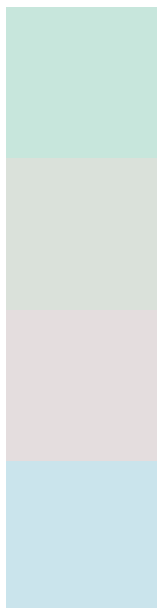
Protanopia
89, 4.006, 70.373

Deuteranopia
89, 10.831, 0.585



Tritanopia
89, 11.985, 250.764

Trichromacy



Original Color
89, 12.148, 173.194

Protanomaly
89, 4.443, 144.331

Deuteranomaly
89, 2.582, 7.741

Tritanomaly
89, 9.708, 224.424

Monochromacy



Original Color
89, 12.148, 173.194

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.778, 173.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 12.148, 173.194 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(199, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(199, 230, 220)  
}
```

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(199, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 230, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 12.148, 173.194 is called "border". The border property can be set on classes, ids or directly on the HTML element.

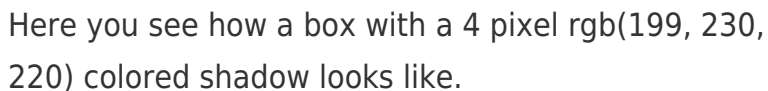
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 230, 220) }
```

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

```
.border{ border-color:rgb(199, 230, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 230, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 230, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 230, 220); box-shadow:4px 4px 4px 4px rgb(199, 230, 220) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 12.148, 173.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 230, 220) }
```

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

```
.background{ background-color: rgb(199,  
230, 220) }
```

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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