

Converting Colors

CIELCh(89, 10.993, 198.715)

Have a look what the booklet for
CIELCh(89, 10.993, 198.715)
contains.

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Color

CIELCh(89, 11.000, 198.711)

Conversions

Conversions Part 1

Format	Color
Hex	C6E6E6
RGB	198, 230, 230
RGB Percent	78%, 90%, 90%
CMY	0.2243, 0.0988, 0.0988
CMYK	0.14, 0.00, 0.00, 0.10
HSL	180°, 39%, 84%
HSV	180°, 14%, 90%
XYZ	65.7338, 74.1641, 85.5669
YIQ	220.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

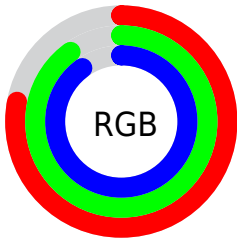
Format	Color
R_{YB}	198, 214, 230
Decimal	13035238
CIE _{Lab}	89.00, -10.42, -3.53
CIE _{LCh}	89, 11.000, 198.711
Yxy	74.1641, 0.2915, 0.3289
Android (android.graphics.Color)	4291225318 (0xFFC6E6E6)
YUV	220.4320, 4.7170, -19.6729
Hunter-Lab	86.1186, -14.4595, 1.3729

Details

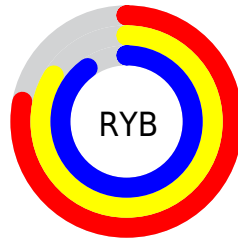
The CIELCh color **89, 11.000, 198.711** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82, 12.032, 20.290**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **69, 10.740, 201.504** is the 20% darker color. If you saturate the color by 10%, you get **88, 18.313, 198.190**, and if you desaturate by 10%, it is **91, 3.179, 199.371**.

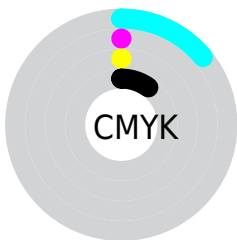
Distribution



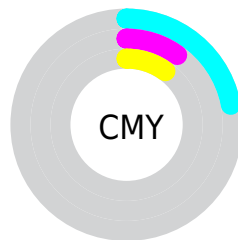
- Red (78%)
- Green (90%)
- Blue (90%)



- Red (78%)
- Yellow (84%)
- Blue (90%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 11.000, 198.711 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, 11.000, 198.711 by changing the saturation by 10% instead.


 89, 11.000,
198.711


 89, 11.000,
198.711


 100, 11.000,
198.711


 79, 11.000,
198.711

 69, 11.000,
198.711

 59, 11.000,
198.711

 49, 11.000,
198.711

 39, 11.000,
198.711

 29, 11.000,
198.711

 19, 11.000,

198.711

■ 9, 11.000, 198.711

■ 0, 11.000, 198.711

■ 89, 11.000,
198.711

■ 89, 11.000,
198.711

■ 88, 18.313,
198.190

■ 91, 3.179, 199.371

■ 86, 24.983,
197.742

■ 92, 5.027, 19.623

■ 85, 30.880,
197.354

■ 93, 9.144, 19.961

■ 85, 35.886,
197.031

■ 93, 9.144, 19.954

■ 93, 9.144, 19.947

■ 84, 39.913,

■ 93, 9.144, 19.939

196.775

93, 9.144, 19.932

84, 42.919,
196.585

93, 9.144, 19.924

83, 44.916,
196.460

93, 9.144, 19.917

83, 45.990,
196.392

83, 46.327,
196.371

Harmonies

Complementary

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



89, 11.000, 198.711



82, 12.032, 20.290

Rectangle

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



89, 11.000, 198.711



89, 11.000, 248.711



89, 11.000, 18.711



89, 11.000, 68.711

Sweetspot

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



89, 11.001, 198.702



99, 3.526, 199.361



88, 20.297, 143.177



53, 2.501, 199.290



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, 11.001, 198.702



97, 14.478, 198.532



85, 9.803, 255.499



47, 4.537, 198.960



66, 38.349, 196.371



18, 16.093, 196.373

Inverse Universe

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



82, 12.032, 20.290



88, 16.186, 20.564



86, 10.192, 71.874



45, 4.817, 19.927



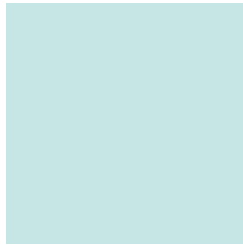
37, 79.980, 39.967



6, 27.104, 21.753

Previews

White Background



This preview shows how the CIE LCh color 89, 11.000, 198.711 looks on a white background.

Color Contrast Check

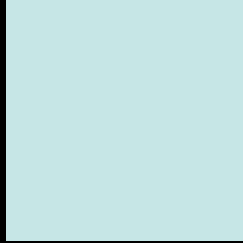
Large Text (above 18pt) WCAG AA × Fail

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, 11.000, 198.711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

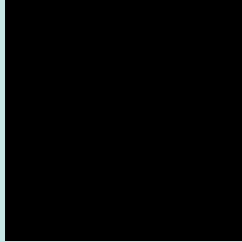
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

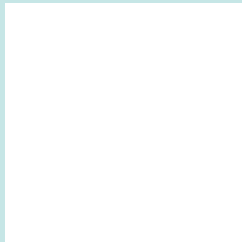
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 11.000, 198.711

Background



This preview shows how black text looks on a background with the CIELCh color 89, 11.000, 198.711.

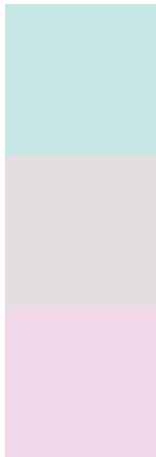


This preview shows how white text looks on a background with the CIELCh color 89, 11.000, 198.711.

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, 11.000, 198.711

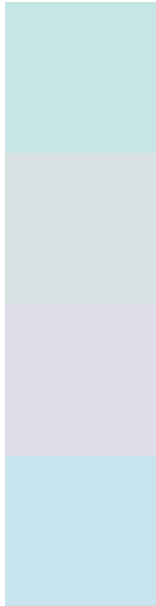
Protanopia
89, 2.139, 332.288

Deuteranopia
89, 12.369, 334.603



Tritanopia
89, 12.611, 247.274

Trichromacy



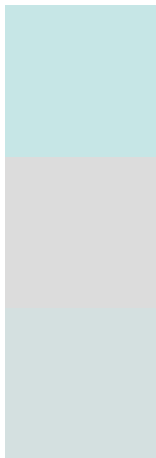
Original Color
89, 11.000, 198.711

Protanomaly
89, 3.325, 217.652

Deuteranomaly
89, 5.934, 304.404

Tritanomaly
89, 10.941, 230.606

Monochromacy



Original Color
89, 11.000, 198.711

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 4.238, 199.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 11.000, 198.711 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(198, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(198, 230, 230)  
}
```

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(198, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 230, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 11.000, 198.711 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(198, 230, 230) }
```

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

```
.border{ border-color:rgb(198, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(198, 230,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 11.000, 198.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 230, 230) }
```

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

```
.background{ background-color: rgb(198,  
230, 230) }
```

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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