

Converting Colors

CIELCh(90, 10.937, 201.015)

Have a look what the booklet for
CIELCh(90, 10.937, 201.015)
contains.

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Color

CIELCh(90, 10.979, 198.721)

Conversions

Conversions Part 1

Format	Color
Hex	C9E9E9
RGB	201, 233, 233
RGB Percent	79%, 91%, 91%
CMY	0.2132, 0.0877, 0.0877
CMYK	0.14, 0.00, 0.00, 0.09
HSL	180°, 42%, 85%
HSV	180°, 14%, 91%
XYZ	67.6843, 76.3034, 87.9804
YIQ	223.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

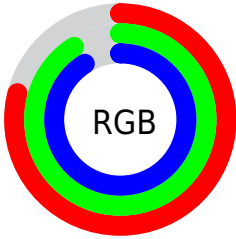
Format	Color
R _Y B	201, 217, 233
Decimal	13232617
CIE Lab	90.00, -10.40, -3.52
CIE LCh	90, 10.979, 198.721
Yxy	76.3034, 0.2918, 0.3289
Android (android.graphics.Color)	4291422697 (0xFFC9E9E9)
YUV	223.4320, 4.7170, -19.6729
Hunter-Lab	87.3518, -14.5553, 1.4296

Details

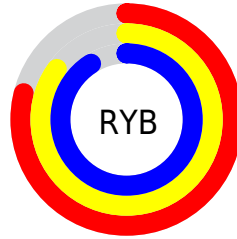
The CIELCh color **90, 10.979, 198.721** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 11.996, 20.277**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 10.744, 198.563** is the 20% darker color. If you saturate the color by 10%, you get **89, 18.374, 198.198**, and if you desaturate by 10%, it is **92, 3.073, 199.390**.

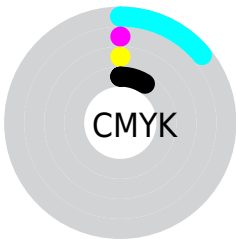
Distribution



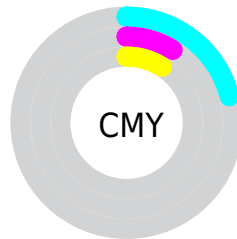
- Red (79%)
- Green (91%)
- Blue (91%)



- Red (79%)
- Yellow (85%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (21%)
- Magenta (9%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 10.979, 198.721 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 90, 10.979, 198.721 by changing the saturation by 10% instead.


 90, 10.979,
198.721


 90, 10.979,
198.721


 100, 10.979,
198.721


 80, 10.979,
198.721


 70, 10.979,
198.721

 60, 10.979,
198.721

 50, 10.979,
198.721

 40, 10.979,
198.721

 30, 10.979,
198.721

 20, 10.979,

198.721

■ 10, 10.979,
198.721

■ 0, 10.979, 198.721

■ 90, 10.979,
198.721

■ 90, 10.979,
198.721

■ 89, 18.374,
198.198

■ 92, 3.073, 199.390

■ 87, 25.122,
197.749

■ 93, 5.222, 19.638

■ 86, 31.089,
197.360

■ 94, 8.078, 19.872

■ 86, 36.159,
197.036

■ 94, 8.078, 19.864

■ 94, 8.078, 19.857

■ 94, 8.078, 19.849

■ 85, 40.240,
196.779

■ 94, 8.078, 19.842

■ 84, 43.287,
196.589

■ 94, 8.078, 19.834

■ 84, 45.316,
196.463

■ 94, 8.078, 19.827

■ 84, 46.410,
196.394

■ 84, 46.758,
196.372

Harmonies

Complementary

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



90, 10.979, 198.721



83, 11.996, 20.277

Rectangle

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



90, 10.979, 198.721



90, 10.979, 248.721



90, 10.979, 18.721



90, 10.979, 68.721

Sweetspot

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



90, 10.980, 198.712



99, 3.526, 199.362



89, 20.247, 143.188



53, 2.501, 199.291



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 10.980, 198.712



97, 14.478, 198.533



86, 9.781, 255.476



48, 4.619, 198.960



67, 38.755, 196.373



19, 16.595, 196.375

Inverse Universe

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



83, 11.996, 20.277



88, 16.186, 20.565



87, 10.164, 71.893



46, 4.905, 19.930



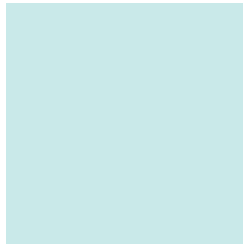
38, 80.843, 39.982



7, 28.535, 22.712

Previews

White Background



This preview shows how the CIELCh color 90, 10.979, 198.721 looks on a white background.

Color Contrast Check

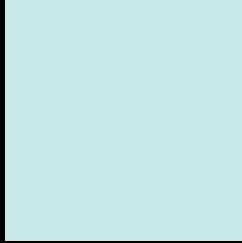
Large Text (above 18pt) WCAG AA × Fail

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 90, 10.979, 198.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

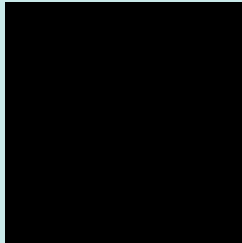
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

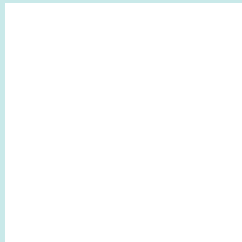
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 10.979, 198.721

Background



This preview shows how black text looks on a background with the CIELCh color 90, 10.979, 198.721.

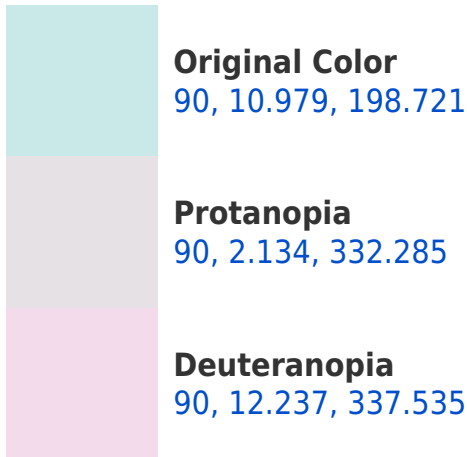


This preview shows how white text looks on a background with the CIELCh color 90, 10.979, 198.721.

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](#).

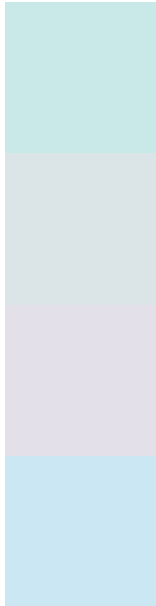
Dichromacy





Tritanopia
90, 12.954, 248.921

Trichromacy



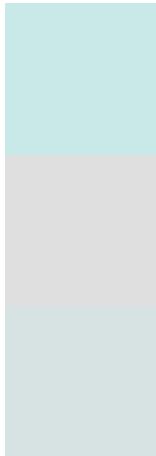
Original Color
90, 10.979, 198.721

Protanomaly
90, 3.318, 217.653

Deuteranomaly
90, 5.416, 305.695

Tritanomaly
90, 11.172, 232.975

Monochromacy



Original Color
90, 10.979, 198.721

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.228, 199.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 10.979, 198.721 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(201, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(201, 233, 233)  
}
```

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(201, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 233, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 10.979, 198.721 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(201, 233, 233) }
```

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

```
.border{ border-color:rgb(201, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(201, 233,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 10.979, 198.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 233, 233) }
```

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

```
.background{ background-color: rgb(201,  
233, 233) }
```

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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