

Converting Colors

CIELCh(90, 10.849, 190.447)

Have a look what the booklet for
CIELCh(90, 10.849, 190.447)
contains.

CIELCh(90, 10.857, 190.443)	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(90, 10.857, 190.443)

Conversions

Conversions Part 1

Format	Color
Hex	CAE9E6
RGB	202, 233, 230
RGB Percent	79%, 91%, 90%
CMY	0.2091, 0.0875, 0.0993
CMYK	0.13, 0.00, 0.01, 0.09
HSL	174°, 41%, 85%
HSV	174°, 13%, 91%
XYZ	67.5575, 76.3034, 85.7942
YIQ	223.3890, -17.5130, -7.5050

Conversions

Conversions Part 2

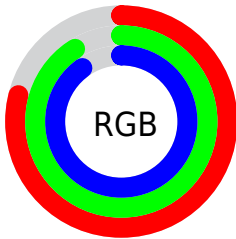
Format	Color
R _Y B	202, 218, 233
Decimal	13298150
CIE Lab	90.00, -10.68, -1.97
CIE LCh	90, 10.857, 190.443
Yxy	76.3034, 0.2942, 0.3323
Android (android.graphics.Color)	4291488230 (0xFFCAE9E6)
YUV	223.3890, 3.2592, -18.7582
Hunter-Lab	87.3518, -14.8145, 2.9135

Details

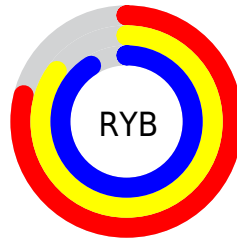
The CIELCh color **90, 10.857, 190.443** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 11.645, 12.511**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 10.539, 192.586** is the 20% darker color. If you saturate the color by 10%, you get **89, 18.544, 189.633**, and if you desaturate by 10%, it is **92, 2.758, 191.367**.

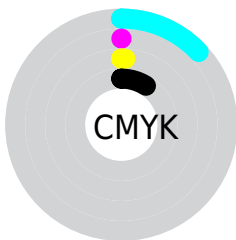
Distribution



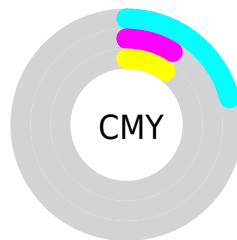
- Red (79%)
- Green (91%)
- Blue (90%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)





- Cyan (21%)
- Magenta (9%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 10.857, 190.443 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, 10.857, 190.443 by changing the saturation by 10% instead.


 90, 10.857,
190.443


 90, 10.857,
190.443


 100, 10.857,
190.443


 80, 10.857,
190.443


 70, 10.857,
190.443

 60, 10.857,
190.443

 50, 10.857,
190.443

 40, 10.857,
190.443

 30, 10.857,
190.443

 20, 10.857,

190.443

■ 10, 10.857,
190.443

■ 0, 10.857, 190.443

■ 90, 10.857,
190.443

■ 90, 10.857,
190.443

■ 89, 18.544,
189.633

■ 92, 2.758, 191.367

■ 87, 25.680,
188.833

■ 93, 5.634, 11.805

■ 86, 32.123,
188.019

■ 94, 8.255, 6.419

■ 85, 37.741,
187.179

■ 94, 8.581, 358.888

■ 94, 9.047, 352.027

■ 94, 9.632, 345.927

■ 85, 42.425,
186.302

■ 94, 10.315,
340.591

■ 84, 46.105,
185.369

■ 94, 11.079,
335.965

■ 84, 48.773,
184.362

■ 94, 11.908,
331.971

■ 83, 50.496,
183.266

■ 83, 51.263,
182.492

Harmonies

Complementary

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



90, 10.857, 190.443



84, 11.645, 12.511

Rectangle

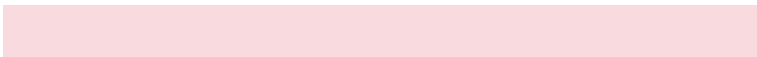
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 10.857, 190.443



90, 10.857, 240.443



90, 10.857, 10.443



90, 10.857, 60.443

Sweetspot

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



90, 10.858, 190.435



99, 3.574, 191.276



90, 19.086, 141.015



53, 2.537, 191.190



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, 10.858, 190.435



97, 13.960, 190.212



87, 8.991, 245.499



48, 4.698, 190.754



66, 42.409, 182.693



19, 17.882, 184.541

Inverse Universe

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



84, 11.645, 12.511



89, 15.202, 12.799



87, 9.502, 62.487



46, 4.936, 12.125



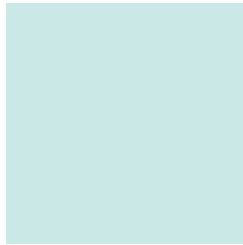
38, 76.767, 35.938



7, 28.163, 18.756

Previews

White Background



This preview shows how the CIE LCh color 90, 10.857, 190.443 looks on a white background.

Color Contrast Check

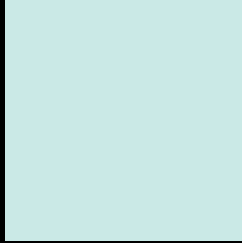
Large Text (above 18pt) WCAG AA × Fail

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 90, 10.857, 190.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

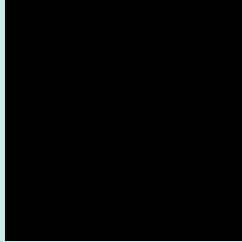
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

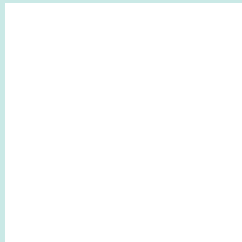
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 10.857, 190.443

Background



This preview shows how black text looks on a background with the CIELCh color 90, 10.857, 190.443.

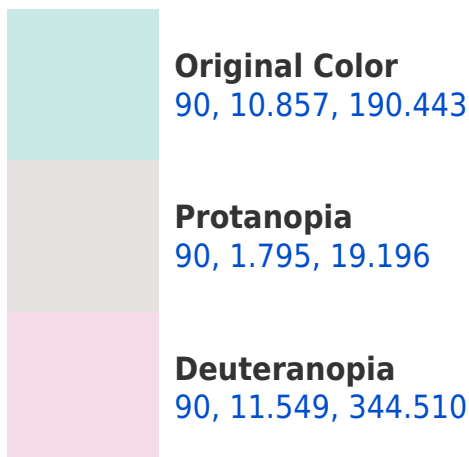


This preview shows how white text looks on a background with the CIELCh color 90, 10.857, 190.443.

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](#).

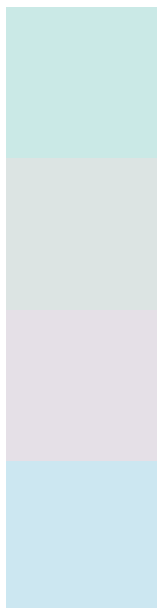
Dichromacy





Tritanopia
90, 12.373, 248.366

Trichromacy



Original Color
90, 10.857, 190.443

Protanomaly
90, 2.886, 189.047

Deuteranomaly
90, 4.078, 316.260

Tritanomaly
90, 10.405, 228.989

Monochromacy



Original Color
90, 10.857, 190.443

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.384, 185.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 10.857, 190.443 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(202, 233, 230)` looks like.

```
.text, #text, p{  
    color:rgb(202, 233, 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(202, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 233, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 10.857, 190.443 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(202, 233, 230) }
```

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

```
.border{ border-color:rgb(202, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(202, 233,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 10.857, 190.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 233, 230) }
```

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

```
.background{ background-color: rgb(202,  
233, 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](#).

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