

Converting Colors

CIELCh(98, 15.250, 149.717)

Have a look what the booklet for
CIELCh(98, 15.250, 149.717)
contains.

CIELCh(98, 14.409, 150.630)	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(98, 14.409, 150.630)

Conversions

Conversions Part 1

Format	Color
Hex	E5FFEB
RGB	229, 255, 235
RGB Percent	90%, 100%, 92%
CMY	0.1016, 0.0000, 0.0780
CMYK	0.10, 0.00, 0.08, 0.00
HSL	134°, 100%, 95%
HSV	134°, 10%, 100%
XYZ	83.4740, 94.9163, 92.5963
YIQ	244.9460, -9.0760, -11.7320

Conversions

Conversions Part 2

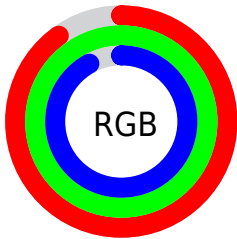
Format	Color
R _{YB}	229, 250, 255
Decimal	15073259
CIE _{Lab}	98.00, -12.56, 7.07
CIE _{LCh}	98, 14.409, 150.630
Yxy	94.9163, 0.3080, 0.3503
Android (android.graphics.Color)	4293263339 (0xFFE5FFEB)
YUV	244.9460, -4.9034, -13.9846
Hunter-Lab	97.4250, -17.5543, 11.8461

Details

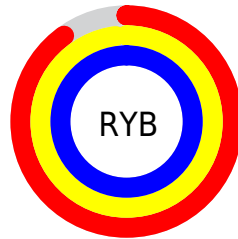
The CIELCh color **98, 14.409, 150.630** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **94, 13.773, 332.294**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 13.825, 151.128** is the 20% darker color. If you saturate the color by 10%, you get **96, 27.330, 150.209**, and if you desaturate by 10%, it is **100, 0.200, 153.560**.

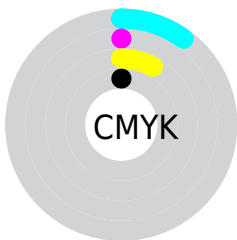
Distribution



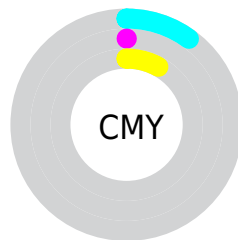
- Red (90%)
- Green (100%)
- Blue (92%)



- Red (90%)
- Yellow (98%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 14.409, 150.630 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 98, 14.409, 150.630 by changing the saturation by 10% instead.


 98, 14.409,
150.630


 98, 14.409,
150.630

 100, 14.409,
150.630


 88, 14.409,
150.630

 78, 14.409,
150.630

 68, 14.409,
150.630

 58, 14.409,
150.630

 48, 14.409,
150.630

 38, 14.409,
150.630

 28, 14.409,

150.630

■ 18, 14.409,
150.630

■ 8, 14.409, 150.630

■ 98, 14.409,
150.630

■ 98, 14.409,
150.630

■ 96, 27.330,
150.209

100, 0.200,
153.560

■ 94, 40.851,
149.296

100, 0.012,
296.813

■ 92, 54.064,
148.240

■ 91, 66.706,
147.022

■ 90, 78.489,
145.630

■ 89, 89.122,
144.069

■ 88, 98.336,
142.368

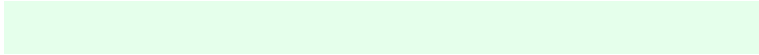
■ 88, 105.912,
140.596

■ 88, 111.686,
138.928

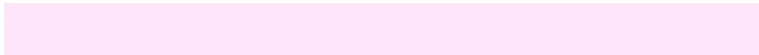
Harmonies

Complementary

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



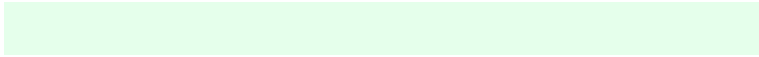
98, 14.409, 150.630



94, 13.773, 332.294

Rectangle

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



98, 14.409, 150.630



98, 14.409, 200.630



98, 14.409, 330.630



98, 14.409, 20.630

Sweetspot

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



98, 13.721, 151.006



99, 4.028, 151.567



99, 13.288, 117.963



53, 3.057, 151.494



0, 0.000, 0.000



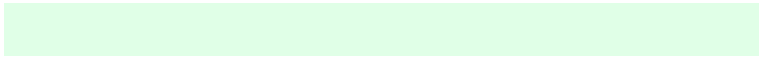
53, 0.007, 296.813

Same Dimension

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



98, 13.721, 151.006



97, 16.228, 150.865



98, 9.745, 176.238



52, 7.678, 151.055



68, 89.296, 139.240



23, 38.661, 141.854

Inverse Universe

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



94, 13.773, 332.294



92, 16.293, 332.421



93, 10.054, 358.052



50, 7.706, 332.249



43, 77.847, 340.193



11, 36.550, 338.427

Previews

White Background



This preview shows how the CIE LCh color 98, 14.409, 150.630 looks on a white background.

Color Contrast Check

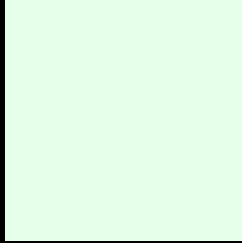
Large Text (above 18pt) WCAG AA × Fail

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 98, 14.409, 150.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

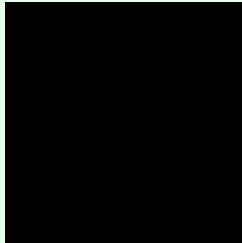
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

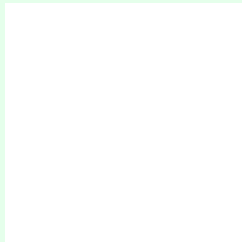
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 14.409, 150.630

Background



This preview shows how black text looks on a background with the CIELCh color 98, 14.409, 150.630.

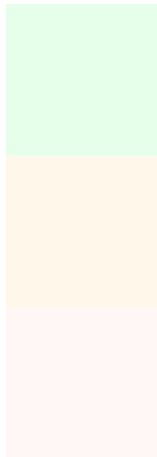


This preview shows how white text looks on a background with the CIELCh color 98, 14.409, 150.630.

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
98, 13.786, 150.965

Protanopia
98, 7.198, 86.036

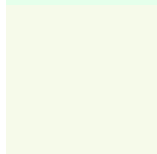
Deuteranopia
98, 3.185, 19.412

Tritanopia
98, 3.497, 260.845

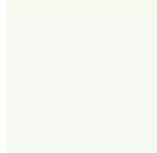
Trichromacy



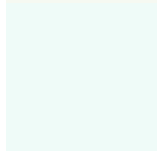
Original Color
98, 13.786, 150.965



Protanomaly
98, 8.273, 119.516



Deuteranomaly
98, 3.724, 126.433

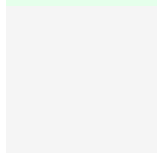


Tritanomaly
98, 4.466, 179.212

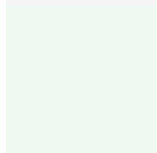
Monochromacy



Original Color
98, 13.786, 150.965



Achromatopsia
97, 0.011, 296.813



Achromatomaly
97, 5.419, 150.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 14.409, 150.630 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(229, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 235)  
}
```

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(229, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 14.409, 150.630 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(229, 255, 235) }
```

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

```
.border{ border-color:rgb(229, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 14.409, 150.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 235) }
```

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

```
.background{ background-color: rgb(229,  
255, 235) }
```

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