

Converting Colors

CIELCh(99, 12.053, 203.350)

Have a look what the booklet for
CIELCh(99, 12.053, 203.350)
contains.

CIELCh(98, 10.827, 198.783)	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, 10.827, 198.783)

Conversions

Conversions Part 1

Format	Color
Hex	E0FFFF
RGB	224, 255, 255
RGB Percent	88%, 100%, 100%
CMY	0.1233, 0.0000, 0.0000
CMYK	0.12, 0.00, 0.00, 0.00
HSL	180°, 100%, 94%
HSV	180°, 12%, 100%
XYZ	84.6862, 94.9163, 108.9448
YIQ	245.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

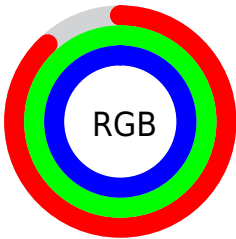
Format	Color
R_{YB}	224, 240, 255
Decimal	14745599
CIE _{Lab}	98.00, -10.25, -3.49
CIE _{LCh}	98, 10.827, 198.783
Yxy	94.9163, 0.2935, 0.3289
Android (android.graphics.Color)	4292935679 (0xFFE0FFFF)
YUV	245.7310, 4.5696, -19.0581
Hunter-Lab	97.4250, -15.3334, 1.8968

Details

The CIELCh color **98, 10.827, 198.783** is a light color, and the websafe version is hex **CCFFFF**, and the color name is **lightcyan**. A complement of this color would be **92, 11.523, 20.172**, 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, 10.573, 198.652** is the 20% darker color. If you saturate the color by 10%, you get **96, 18.692, 198.270**, and if you desaturate by 10%, it is **100, 2.061, 199.596**.

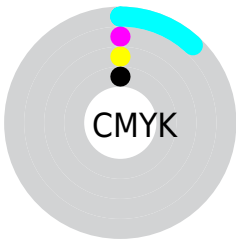
Distribution



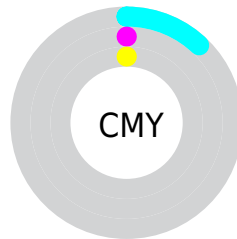
- Red (88%)
- Green (100%)
- Blue (100%)



- Red (88%)
- Yellow (94%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 10.827, 198.783 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, 10.827, 198.783 by changing the saturation by 10% instead.


 98, 10.827,
198.783


 98, 10.827,
198.783


 100, 10.827,
198.783


 88, 10.827,
198.783


 78, 10.827,
198.783

 68, 10.827,
198.783

 58, 10.827,
198.783

 48, 10.827,
198.783

 38, 10.827,
198.783

 28, 10.827,

198.783

■ 18, 10.827,
198.783

■ 8, 10.827, 198.783

■ 98, 10.827,
198.783

■ 98, 10.827,
198.783

■ 96, 18.692,
198.270

■ 100, 2.061,
199.596

■ 95, 26.058,
197.811

■ 100, 0.012,
296.813

■ 94, 32.597,
197.413

■ 93, 38.178,
197.080

■ 92, 42.698,
196.814

■ 92, 46.103,
196.617

■ 91, 48.398,
196.485

■ 91, 49.670,
196.412

■ 91, 50.115,
196.386

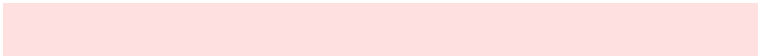
Harmonies

Complementary

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



98, 10.827, 198.783



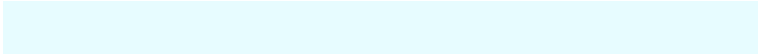
92, 11.523, 20.172

Rectangle

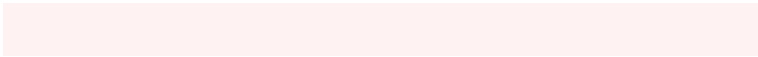
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



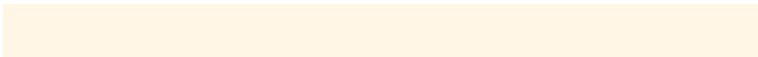
98, 10.827, 198.783



98, 10.827, 248.783



98, 10.827, 18.783



98, 10.827, 68.783

Sweetspot

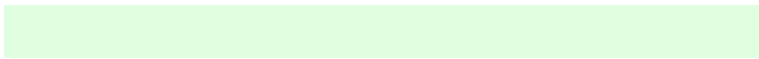
The Sweet Spot groups the original color and five complimentary colors.



98, 10.644, 198.796



99, 3.526, 199.370



97, 19.647, 143.705



53, 2.501, 199.299



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

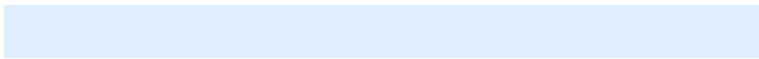
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 10.644, 198.796



97, 12.851, 198.648



94, 9.582, 257.127



52, 4.945, 198.963



70, 40.365, 196.386



24, 18.570, 196.386

Inverse Universe

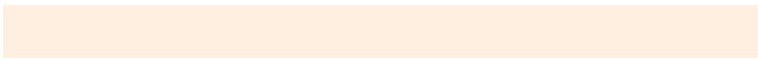
The Inverse Universe completely reimagines the original color for something new.



92, 19.670, 325.108



91, 23.957, 325.259



95, 9.881, 73.856



50, 9.057, 324.947



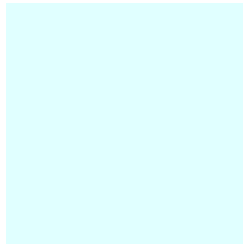
45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIE LCh color 98, 10.827, 198.783 looks on a white background.

Color Contrast Check

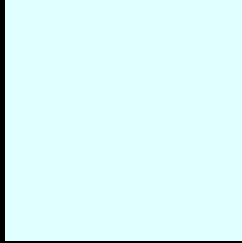
Large Text (above 18pt) WCAG AA × Fail

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, 10.827, 198.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

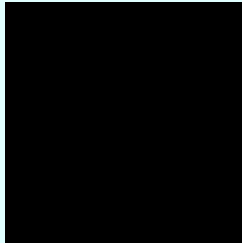
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

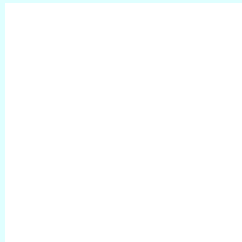
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 10.827, 198.783

Background



This preview shows how black text looks on a background with the CIELCh color 98, 10.827, 198.783.



This preview shows how white text looks on a background with the CIELCh color 98, 10.827, 198.783.

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, 10.500, 198.806



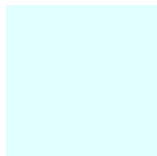
Protanopia
98, 2.350, 338.593

Deuteranopia
98, 4.429, 335.819

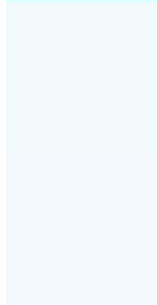


Tritanopia
98, 3.674, 256.132

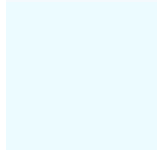
Trichromacy



Original Color
98, 10.500, 198.806



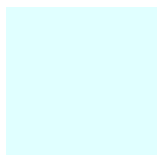
Protanomaly
98, 2.940, 219.795



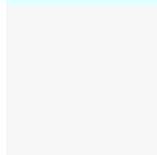
Deuteranomaly
98, 2.663, 249.769

Tritanomaly
98, 5.497, 221.064

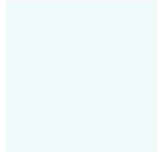
Monochromacy



Original Color
98, 10.500, 198.806



Achromatopsia
97, 0.011, 296.813



Achromatomaly
97, 3.816, 199.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 10.827, 198.783 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(224, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 255)  
}
```

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(224, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 10.827, 198.783 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(224, 255, 255) }
```

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

```
.border{ border-color:rgb(224, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 10.827, 198.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 255) }
```

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

```
.background{ background-color: rgb(224,  
255, 255) }
```

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