

Converting Colors

CIELCh(100, 25.553, 275.389)

Have a look what the booklet for
CIELCh(100, 25.553, 275.389)
contains.

CIELCh(98, 7.855, 198.993)	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, 7.855, 198.993)

Conversions

Conversions Part 1

Format	Color
Hex	E7FEFE
RGB	231, 254, 254
RGB Percent	91%, 100%, 100%
CMY	0.0946, 0.0044, 0.0044
CMYK	0.09, 0.00, 0.00, 0.00
HSL	180°, 91%, 95%
HSV	180°, 9%, 100%
XYZ	86.1857, 94.9163, 107.4329
YIQ	247.1230, -13.7080, -4.8760

Conversions

Conversions Part 2

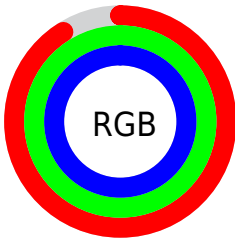
Format	Color
R _Y B	231, 243, 254
Decimal	15204094
CIE Lab	98.00, -7.43, -2.56
CIE LCh	98, 7.855, 198.993
Yxy	94.9163, 0.2987, 0.3290
Android (android.graphics.Color)	4293394174 (0xFFE7FEFE)
YUV	247.1230, 3.3904, -14.1399
Hunter-Lab	97.4250, -12.5861, 2.8170

Details

The CIELCh color **98, 7.855, 198.993** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 8.322, 19.896**, 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, 7.847, 198.873** is the 20% darker color. If you saturate the color by 10%, you get **96, 16.066, 198.422**, and if you desaturate by 10%, it is **100, 0.396, 17.737**.

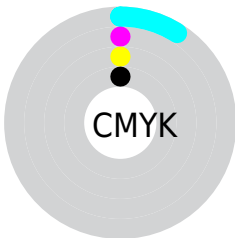
Distribution



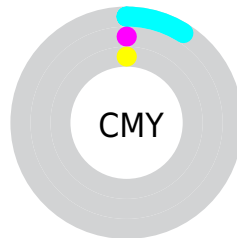
- Red (91%)
- Green (100%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 7.855, 198.993 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, 7.855, 198.993 by changing the saturation by 10% instead.

98, 7.855, 198.993

98, 7.855, 198.993

100, 7.855,
198.993

88, 7.855, 198.993

78, 7.855, 198.993

68, 7.855, 198.993

58, 7.855, 198.993

48, 7.855, 198.993

38, 7.855, 198.993

28, 7.855, 198.993

18, 7.855, 198.993

8, 7.855, 198.993

98, 7.855, 198.993

98, 7.855, 198.993

96, 16.066,
198.422

100, 0.396, 17.737

100, 0.396, 17.474

95, 23.645,
197.942

100, 0.396, 17.210

94, 30.447,
197.523

100, 0.396, 16.947

100, 0.396, 16.685

93, 36.336,
197.168

100, 0.396, 16.422

92, 41.197,
196.879

100, 0.396, 16.160


92, 44.958,
196.658

100, 0.396, 15.897

100, 0.397, 15.635

91, 47.605,
196.503

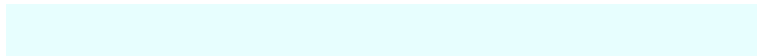
91, 49.194,
196.410

 91, 49.904,
196.367

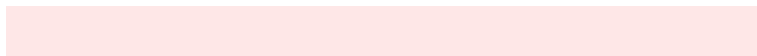
Harmonies

Complementary

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



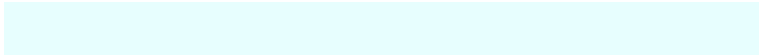
98, 7.855, 198.993



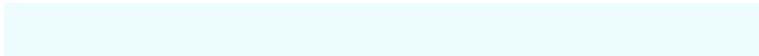
93, 8.322, 19.896

Rectangle

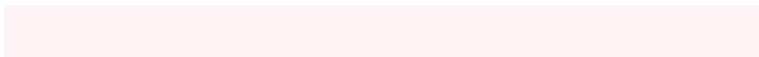
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



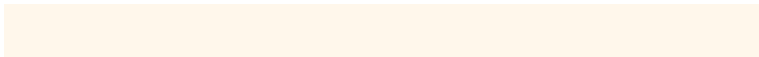
98, 7.855, 198.993



98, 7.855, 248.993



98, 7.855, 18.993



98, 7.855, 68.993

Sweetspot

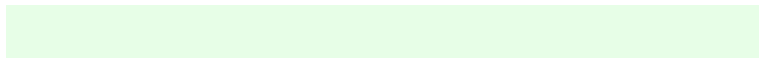
The Sweet Spot groups the original color and five complimentary colors.



98, 7.856, 198.979



99, 2.650, 199.475



97, 14.267, 143.496



53, 2.005, 199.378



0, 0.000, 0.000



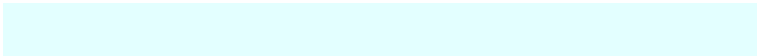
53, 0.007, 296.813

Same Dimension

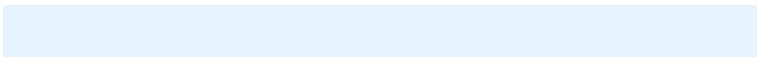
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 7.856, 198.979



98, 9.531, 198.861



95, 6.933, 254.825



52, 4.945, 198.951



70, 40.369, 196.365



24, 18.571, 196.367

Inverse Universe

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



93, 8.322, 19.896



92, 10.226, 20.052



96, 7.098, 72.437



49, 5.254, 19.932



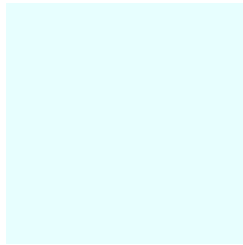
40, 84.223, 39.994



10, 33.366, 27.171

Previews

White Background



This preview shows how the CIELCh color 98, 7.855, 198.993 looks on a white background.

Color Contrast Check

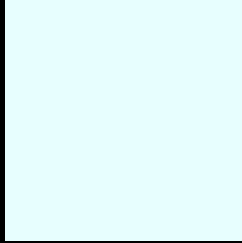
Large Text (above 18pt) WCAG AA × Fail

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, 7.855, 198.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

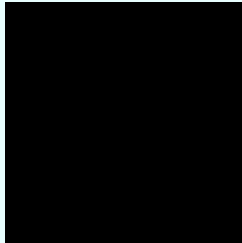
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 7.855, 198.993

Background



This preview shows how black text looks on a background with the CIELCh color 98, 7.855, 198.993.

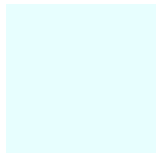


This preview shows how white text looks on a background with the CIELCh color 98, 7.855, 198.993.

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, 7.860, 198.991



Protanopia

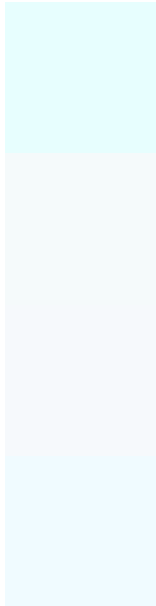
98, 2.047, 349.333

Deuteranopia

98, 3.497, 343.770

Tritanopia
98, 3.064, 256.053

Trichromacy



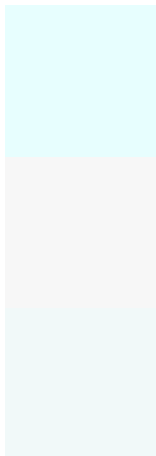
Original Color
98, 7.860, 198.991

Protanomaly
98, 1.808, 216.065

Deuteranomaly
98, 1.847, 255.949

Tritanomaly
98, 4.270, 227.932

Monochromacy



Original Color
98, 7.860, 198.991

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 2.782, 199.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 7.855, 198.993 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(231, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(231, 254, 254)  
}
```

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(231, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 254, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 7.855, 198.993 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(231, 254, 254) }
```

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

```
.border{ border-color:rgb(231, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(231, 254,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 7.855, 198.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 254, 254) }
```

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

```
.background{ background-color: rgb(231,  
254, 254) }
```

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