

Converting Colors

CIELCh(100, 38.712, 282.304)

Have a look what the booklet for
CIELCh(100, 38.712, 282.304)
contains.

CIELCh(98, 8.213, 206.137)	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, 8.213, 206.137)

Conversions

Conversions Part 1

Format	Color
Hex	E6FEFF
RGB	230, 254, 255
RGB Percent	90%, 100%, 100%
CMY	0.0984, 0.0042, 0.0000
CMYK	0.10, 0.00, 0.00, 0.00
HSL	183°, 100%, 95%
HSV	183°, 10%, 100%
XYZ	86.2146, 94.9163, 109.1604
YIQ	246.9380, -14.6250, -4.7770

Conversions

Conversions Part 2

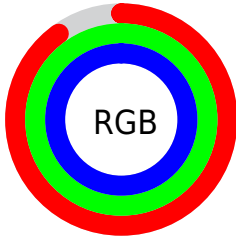
Format	Color
R_{YB}	230, 242, 255
Decimal	15138559
CIE _{Lab}	98.00, -7.37, -3.62
CIE _{LCh}	98, 8.213, 206.137
Yxy	94.9163, 0.2970, 0.3270
Android (android.graphics.Color)	4293328639 (0xFFE6FEFF)
YUV	246.9380, 3.9746, -14.8546
Hunter-Lab	97.4250, -12.5330, 1.7656

Details

The CIELCh color **98, 8.213, 206.137** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 8.732, 23.558**, 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, 8.180, 202.618** is the 20% darker color. If you saturate the color by 10%, you get **96, 16.032, 202.452**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

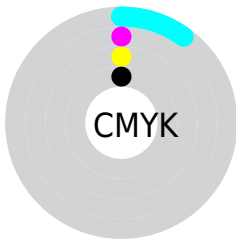
Distribution



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



- Red (90%)
- Yellow (95%)
- Blue (100%)



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




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 8.213, 206.137 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, 8.213, 206.137 by changing the saturation by 10% instead.

 98, 8.213, 206.137

 98, 8.213, 206.137

 100, 8.213,
206.137


 88, 8.213, 206.137


 78, 8.213, 206.137

 68, 8.213, 206.137

 58, 8.213, 206.137

 48, 8.213, 206.137

 38, 8.213, 206.137

 28, 8.213, 206.137

 18, 8.213, 206.137

 8, 8.213, 206.137

98, 8.213, 206.137

98, 8.213, 206.137

96, 16.032,
202.452

100, 0.012,
296.813

94, 23.247,
202.171

93, 29.696,
201.985

92, 35.244,
201.906

91, 39.774,
201.949

90, 43.213,
202.128

89, 45.542,
202.458

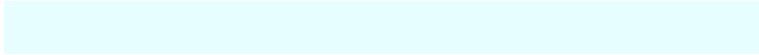
88, 46.816,
202.945

■ 88, 47.237,
203.579

Harmonies

Complementary

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



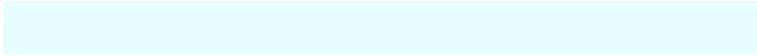
98, 8.213, 206.137



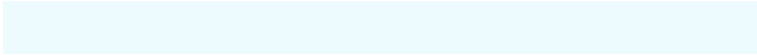
93, 8.732, 23.558

Rectangle

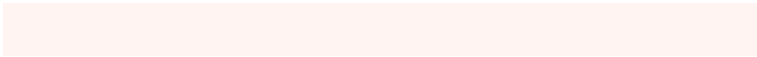
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



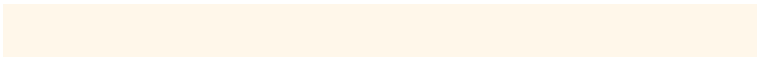
98, 8.213, 206.137



98, 8.213, 256.137



98, 8.213, 26.137



98, 8.213, 76.137

Sweetspot

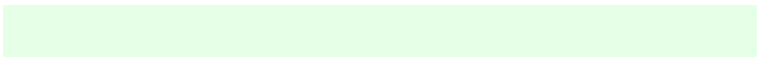
The Sweet Spot groups the original color and five complimentary colors.



98, 8.192, 202.833



99, 2.539, 203.282



98, 15.307, 144.769



53, 1.922, 203.194



0, 0.000, 0.000



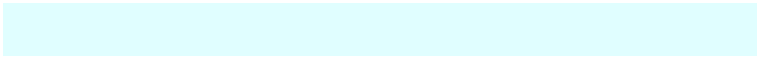
53, 0.007, 296.813

Same Dimension

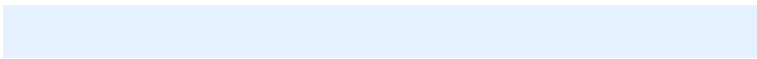
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 8.192, 202.833



98, 9.930, 202.739



95, 7.879, 260.316



52, 4.737, 202.848



68, 38.086, 203.459



23, 17.635, 202.559

Inverse Universe

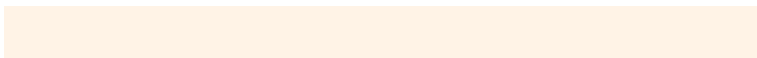
The Inverse Universe completely reimagines the original color for something new.



94, 15.230, 326.144



93, 18.591, 326.270



97, 8.024, 77.651



50, 8.796, 326.124



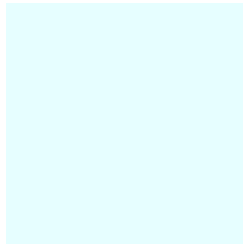
45, 89.993, 330.022



12, 41.570, 329.797

Previews

White Background



This preview shows how the CIELCh color 98, 8.213, 206.137 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, 8.213, 206.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

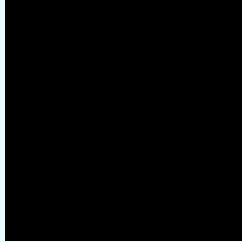
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

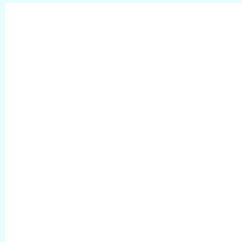
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 8.213, 206.137

Background



This preview shows how black text looks on a background with the CIELCh color 98, 8.213, 206.137.

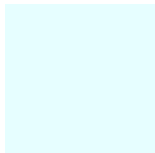


This preview shows how white text looks on a background with the CIELCh color 98, 8.213, 206.137.

Color Blindness Simulation

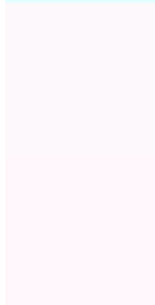
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

98, 8.185, 202.555



Protanopia

98, 2.096, 332.260

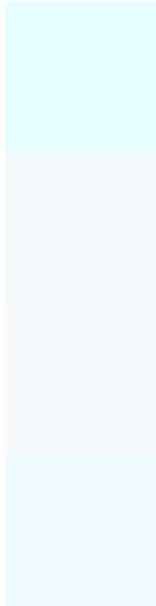
Deuteranopia

98, 3.497, 343.770



Tritanopia
98, 3.064, 256.053

Trichromacy



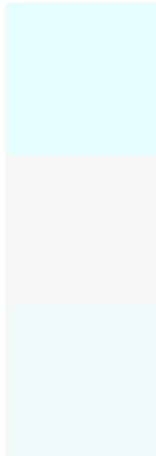
Original Color
98, 8.185, 202.555

Protanomaly
98, 2.308, 225.838

Deuteranomaly
98, 1.717, 236.229

Tritanomaly
98, 4.270, 227.932

Monochromacy



Original Color
98, 8.185, 202.555

Achromatopsia
97, 0.011, 296.813

Achromatomaly
98, 3.125, 199.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 8.213, 206.137 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(230, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 254, 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(230, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 254, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 8.213, 206.137 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(230, 254, 255) }
```

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

```
.border{ border-color:rgb(230, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 254,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 8.213, 206.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 254, 255) }
```

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

```
.background{ background-color: rgb(230,  
254, 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