

# Converting Colors

CIELCh(100, 12.855, 245.202)

Have a look what the booklet for  
CIELCh(100, 12.855, 245.202)  
contains.

<b>CIELCh(98, 8.189, 198.968)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(98, 8.189, 198.968)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FEFE
RGB	230, 254, 254
RGB Percent	90%, 100%, 100%
CMY	0.0977, 0.0037, 0.0037
CMYK	0.09, 0.00, 0.00, 0.00
HSL	180°, 93%, 95%
HSV	180°, 9%, 100%
XYZ	86.0164, 94.9163, 107.6035
YIQ	246.8240, -14.3040, -5.0880

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 242, 254
Decimal	15138558
CIE Lab	98.00, -7.74, -2.66
CIE LCh	98, 8.189, 198.968
Yxy	94.9163, 0.2981, 0.3290
Android (android.graphics.Color)	4293328638 (0xFFE6FEFE)
YUV	246.8240, 3.5378, -14.7546
Hunter-Lab	97.4250, -12.8962, 2.7132

# Details

The CIELCh color **98, 8.189, 198.968** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 8.697, 19.927**, 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, 8.193, 198.844** is the 20% darker color. If you saturate the color by 10%, you get **96, 16.383, 198.402**, and if you desaturate by 10%, it is **100, 0.328, 17.395**.

# Distribution



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



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



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



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

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 8.189, 198.968 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, 8.189, 198.968 by changing the saturation by 10% instead.



 98, 8.189, 198.968

 98, 8.189, 198.968

 100, 8.189,  
198.968

 88, 8.189, 198.968

 78, 8.189, 198.968

 68, 8.189, 198.968

 58, 8.189, 198.968

 48, 8.189, 198.968

 38, 8.189, 198.968

 28, 8.189, 198.968

 18, 8.189, 198.968

 8, 8.189, 198.968

98, 8.189, 198.968

98, 8.189, 198.968

96, 16.383,  
198.402

100, 0.328, 17.395

100, 0.328, 17.072

95, 23.939,  
197.924

100, 0.328, 16.749

94, 30.713,  
197.508

100, 0.329, 16.427

100, 0.329, 16.105

93, 36.567,  
197.155

100, 0.329, 15.783

92, 41.389,  
196.868

100, 0.329, 15.461

92, 45.108,  
196.650

100, 0.329, 15.140

100, 0.329, 14.819

91, 47.714,  
196.498

91, 49.265,  
196.407

 91, 49.953,  
196.366

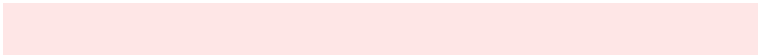
# Harmonies

# Complementary

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



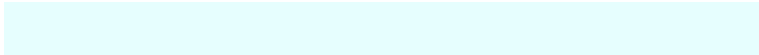
98, 8.189, 198.968



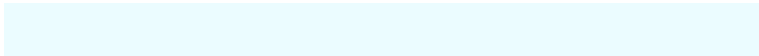
93, 8.697, 19.927

# Rectangle

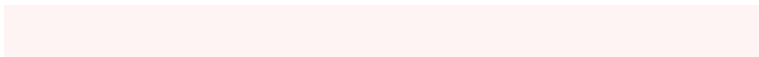
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



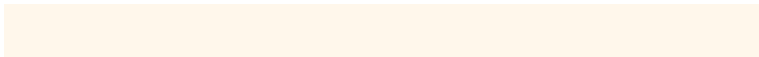
98, 8.189, 198.968



98, 8.189, 248.968



98, 8.189, 18.968



98, 8.189, 68.968

# Sweetspot

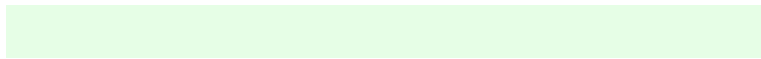
The Sweet Spot groups the original color and five complimentary colors.



98, 8.190, 198.954



99, 2.650, 199.475



97, 14.892, 143.470



53, 2.005, 199.378



0, 0.000, 0.000



53, 0.007, 296.813



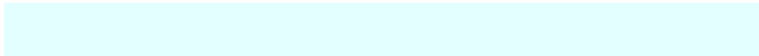


# Same Dimension

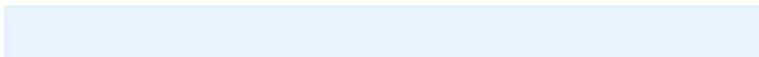
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 8.190, 198.954



98, 9.531, 198.860



95, 7.233, 254.876



52, 4.945, 198.950



70, 40.369, 196.364

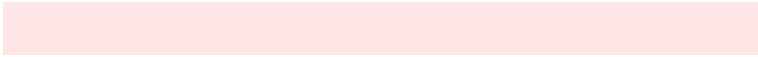


24, 18.571, 196.367



# Inverse Universe

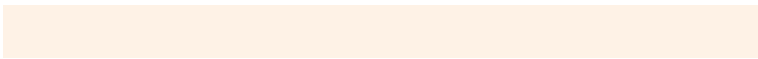
The Inverse Universe completely reimagines the original color for something new.



93, 8.697, 19.927



92, 10.226, 20.052



96, 7.415, 72.392



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, 8.189, 198.968 looks on a white background.

## Color Contrast Check

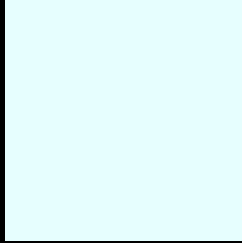
Large Text (above 18pt) WCAG AA × Fail

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, 8.189, 198.968 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

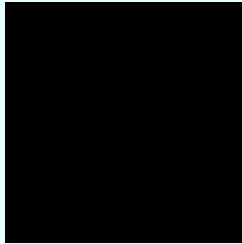
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 98, 8.189, 198.968

## Background



This preview shows how black text looks on a background with the CIELCh color 98, 8.189, 198.968.

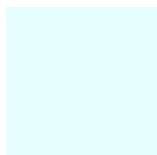


This preview shows how white text looks on a background with the CIELCh color 98, 8.189, 198.968.

# Color Blindness Simulation

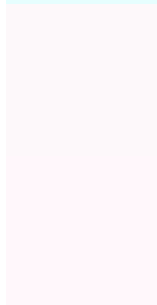
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

98, 8.194, 198.966



### Protanopia

98, 2.047, 349.333

### Deuteranopia

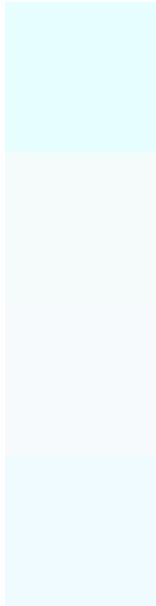
98, 3.497, 343.770





**Tritanopia**  
98, 3.064, 256.053

# Trichromacy



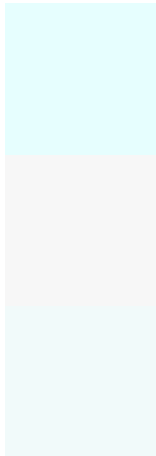
**Original Color**  
98, 8.194, 198.966

**Protanomaly**  
98, 1.808, 216.065

**Deuteranomaly**  
98, 1.717, 236.229

**Tritanomaly**  
98, 4.270, 227.932

# Monochromacy



**Original Color**  
98, 8.194, 198.966

**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, 8.189, 198.968 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, 254)` looks like.

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

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

## Border

The CSS property to change the border of an element to CIELCh 98, 8.189, 198.968 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, 254) }
```

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

```
.border{ border-color:rgb(230, 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(230, 254, 254)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to CIELCh 98, 8.189, 198.968 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, 254) }
```

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

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