

Converting Colors

CIECh(98, 12.170, 162.756)

Have a look what the booklet for
CIELCh(98, 12.170, 162.756)
contains.

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Color

CIElCh(98, 11.580, 163.791)

Conversions

Conversions Part 1

Format	Color
Hex	E5FFF3
RGB	229, 255, 243
RGB Percent	90%, 100%, 95%
CMY	0.1037, 0.0000, 0.0488
CMYK	0.10, 0.00, 0.05, 0.00
HSL	152°, 100%, 95%
HSV	152°, 10%, 100%
XYZ	84.2280, 94.9163, 98.3321
YIQ	245.8580, -11.6440, -9.2440

Conversions

Conversions Part 2

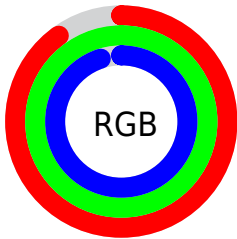
Format	Color
R _Y B	229, 246, 255
Decimal	15073267
CIE Lab	98.00, -11.12, 3.23
CIE LCh	98, 11.580, 163.791
Yxy	94.9163, 0.3036, 0.3421
Android (android.graphics.Color)	4293263347 (0xFFE5FFF3)
YUV	245.8580, -1.4090, -14.7845
Hunter-Lab	97.4250, -16.1729, 8.3554

Details

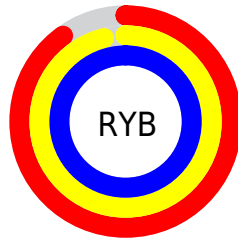
The CIELCh color **98, 11.580, 163.791** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **93, 11.425, 346.146**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 10.914, 165.942** is the 20% darker color. If you saturate the color by 10%, you get **96, 22.041, 163.450**, and if you desaturate by 10%, it is **100, 0.391, 166.532**.

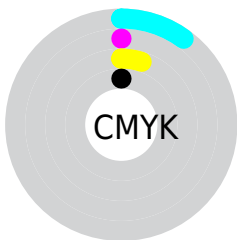
Distribution



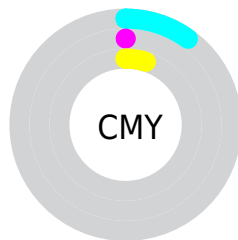
- Red (90%)
- Green (100%)
- Blue (95%)



- Red (90%)
- Yellow (96%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 11.580, 163.791 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, 11.580, 163.791 by changing the saturation by 10% instead.


 98, 11.580,
163.791


 98, 11.580,
163.791


 100, 11.580,
163.791


 88, 11.580,
163.791

 78, 11.580,
163.791

 68, 11.580,
163.791

 58, 11.580,
163.791

 48, 11.580,
163.791

 38, 11.580,
163.791

 28, 11.580,

163.791

■ 18, 11.580,
163.791

■ 8, 11.580, 163.791

■ 98, 11.580,
163.791

■ 98, 11.580,
163.791

■ 96, 22.041,
163.450

100, 0.391,
166.532

■ 94, 32.626,
162.375

100, 0.012,
296.813

■ 93, 42.830,
161.173

■ 92, 52.466,
159.817

■ 91, 61.351,
158.281

■ 90, 69.328,
156.542

■ 89, 76.297,
154.585

■ 89, 82.247,
152.415

■ 89, 87.165,
150.194

Harmonies

Complementary

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



98, 11.580, 163.791



93, 11.425, 346.146

Rectangle

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



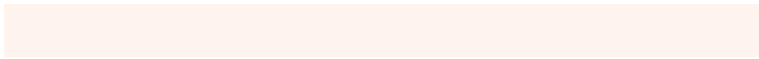
98, 11.580, 163.791



98, 11.580, 213.791



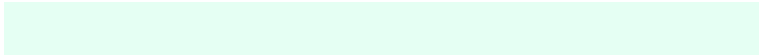
98, 11.580, 343.791



98, 11.580, 33.791

Sweetspot

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



98, 11.248, 164.430



99, 3.248, 165.187



98, 14.322, 129.200



53, 2.464, 165.086



0, 0.000, 0.000



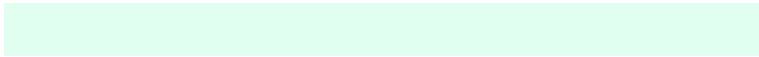
53, 0.007, 296.813

Same Dimension

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



98, 11.248, 164.430



98, 13.017, 164.274



98, 8.846, 200.383



52, 6.168, 164.512



68, 69.596, 150.629



23, 30.066, 153.866

Inverse Universe

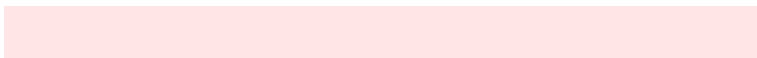
The Inverse Universe completely reimagines the original color for something new.



93, 11.425, 346.146



92, 13.252, 346.304



93, 9.456, 21.365



50, 6.258, 346.063



41, 68.031, 4.972



10, 31.620, 358.917

Previews

White Background



This preview shows how the CIE LCh color 98, 11.580, 163.791 looks on a white background.

Color Contrast Check

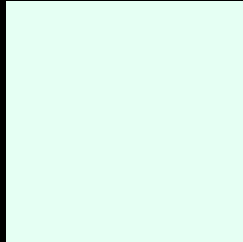
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 98, 11.580, 163.791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

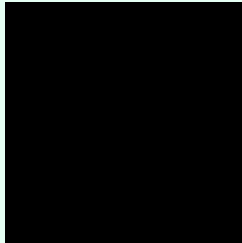
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

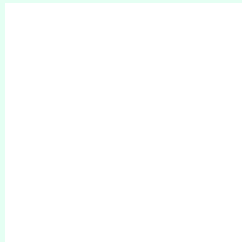
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 11.580, 163.791

Background



This preview shows how black text looks on a background with the CIELCh color 98, 11.580, 163.791.

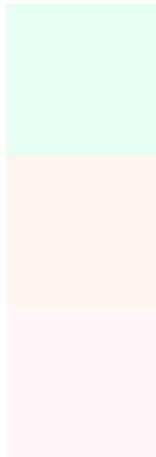


This preview shows how white text looks on a background with the CIELCh color 98, 11.580, 163.791.

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



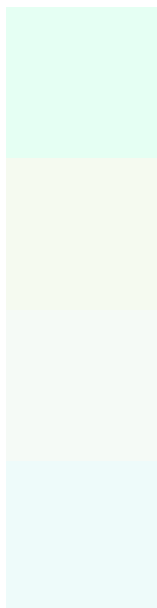
Original Color
98, 10.993, 164.933

Protanopia
98, 4.955, 74.563

Deuteranopia
98, 2.876, 9.172

Tritanopia
98, 3.497, 260.845

Trichromacy



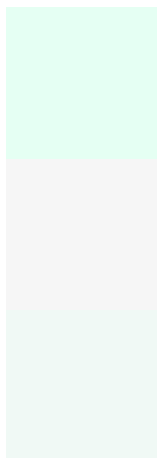
Original Color
98, 10.993, 164.933

Protanomaly
98, 5.402, 128.920

Deuteranomaly
98, 2.699, 150.539

Tritanomaly
98, 4.539, 192.794

Monochromacy



Original Color
98, 10.993, 164.933

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 3.773, 166.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 11.580, 163.791 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 11.580, 163.791 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, 243) }
```

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

```
.border{ border-color:rgb(229, 255, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 11.580, 163.791 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, 243) }
```

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

```
.background{ background-color: rgb(229,  
255, 243) }
```

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](#).

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