

Converting Colors

CIELCh(100, 18.676, 158.233)

Have a look what the booklet for
CIELCh(100, 18.676, 158.233)
contains.

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Color

CIElCh(98, 13.012, 165.305)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFF2
RGB	225, 255, 242
RGB Percent	88%, 100%, 95%
CMY	0.1162, 0.0000, 0.0495
CMYK	0.12, 0.00, 0.05, 0.00
HSL	154°, 100%, 94%
HSV	154°, 12%, 100%
XYZ	83.4587, 94.9163, 98.2279
YIQ	244.5480, -13.7070, -10.4030

Conversions

Conversions Part 2

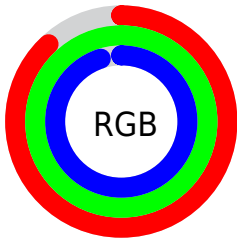
Format	Color
R _Y B	225, 244, 255
Decimal	14811122
CIE Lab	98.00, -12.59, 3.30
CIE LCh	98, 13.012, 165.305
Yxy	94.9163, 0.3017, 0.3431
Android (android.graphics.Color)	4293001202 (0xFFE1FFF2)
YUV	244.5480, -1.2562, -17.1436
Hunter-Lab	97.4250, -17.5824, 8.4188

Details

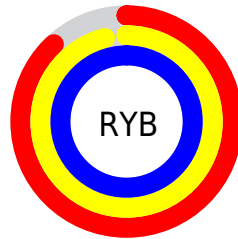
The CIELCh color **98, 13.012, 165.305** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **92, 12.471, 348.873**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 12.120, 166.461** is the 20% darker color. If you saturate the color by 10%, you get **96, 22.616, 165.841**, and if you desaturate by 10%, it is **100, 1.698, 168.020**.

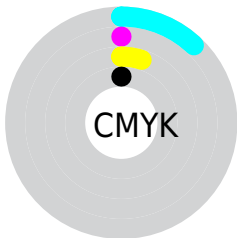
Distribution



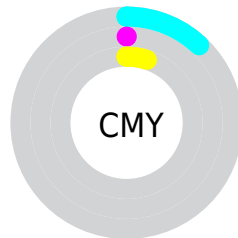
- Red (88%)
- Green (100%)
- Blue (95%)



- Red (88%)
- Yellow (96%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 13.012, 165.305 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, 13.012, 165.305 by changing the saturation by 10% instead.


 98, 13.012,
165.305


 98, 13.012,
165.305


 100, 13.012,
165.305


 88, 13.012,
165.305

 78, 13.012,
165.305

 68, 13.012,
165.305

 58, 13.012,
165.305

 48, 13.012,
165.305

 38, 13.012,
165.305

 28, 13.012,

165.305

■ 18, 13.012,
165.305

■ 8, 13.012, 165.305

■ 98, 13.012,
165.305

■ 98, 13.012,
165.305

■ 96, 22.616,
165.841

■ 100, 1.698,
168.020

■ 94, 32.760,
164.736

■ 100, 0.012,
296.813

■ 93, 42.472,
163.506

■ 92, 51.572,
162.125

■ 91, 59.888,
160.567

■ 90, 67.277,
158.808

■ 89, 73.662,
156.832

■ 89, 79.054,
154.644

■ 89, 82.956,
152.705

Harmonies

Complementary

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



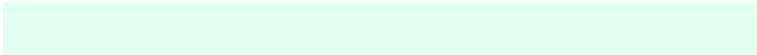
98, 13.012, 165.305



92, 12.471, 348.873

Rectangle

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



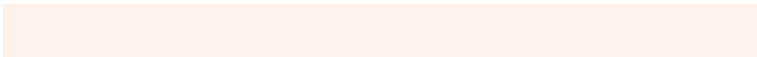
98, 13.012, 165.305



98, 13.012, 215.305



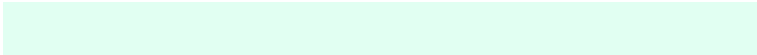
98, 13.012, 345.305



98, 13.012, 35.305

Sweetspot

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



98, 12.213, 166.853



99, 3.151, 167.759



98, 16.255, 130.869



53, 2.390, 167.654



0, 0.000, 0.000



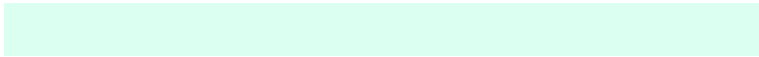
53, 0.007, 296.813

Same Dimension

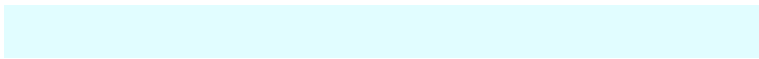
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 12.213, 166.853



97, 14.705, 166.618



97, 9.411, 205.064



52, 5.978, 167.060



68, 66.260, 153.140



23, 28.718, 156.362

Inverse Universe

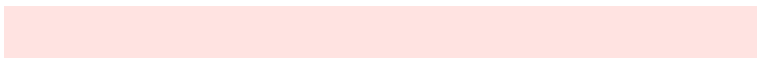
The Inverse Universe completely reimagines the original color for something new.



92, 12.471, 348.873



91, 15.076, 349.116



93, 10.158, 25.766



50, 6.083, 348.661



41, 68.085, 9.298



10, 31.373, 2.609

Previews

White Background



This preview shows how the CIE LCh color 98, 13.012, 165.305 looks on a white background.

Color Contrast Check

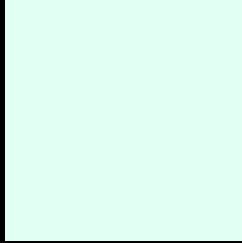
Large Text (above 18pt) WCAG AA × Fail

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, 13.012, 165.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

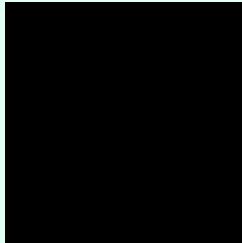
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

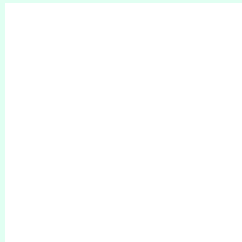
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 13.012, 165.305

Background



This preview shows how black text looks on a background with the CIELCh color 98, 13.012, 165.305.

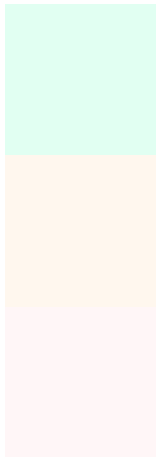


This preview shows how white text looks on a background with the CIELCh color 98, 13.012, 165.305.

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, 12.431, 166.395

Protanopia
98, 5.382, 77.626

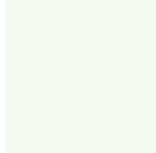
Deuteranopia
98, 3.228, 10.341

Tritanopia
98, 3.674, 256.132

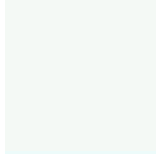
Trichromacy



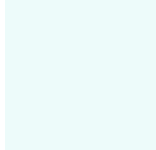
Original Color
98, 12.431, 166.395



Protanomaly
98, 5.533, 132.350



Deuteranomaly
97, 2.701, 150.538

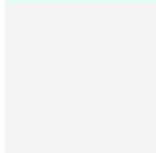


Tritanomaly
98, 4.879, 193.212

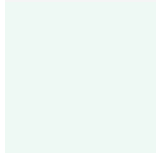
Monochromacy



Original Color
98, 12.431, 166.395



Achromatopsia
97, 0.011, 296.813



Achromatomaly
97, 4.645, 165.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 13.012, 165.305 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(225, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 242)  
}
```

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(225, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 13.012, 165.305 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(225, 255, 242) }
```

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

```
.border{ border-color:rgb(225, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 13.012, 165.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 242) }
```

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

```
.background{ background-color: rgb(225,  
255, 242) }
```

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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