

Converting Colors

CIELCh(99, 12.980, 164.732)

Have a look what the booklet for
CIELCh(99, 12.980, 164.732)
contains.

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Color

CIElCh(98, 10.721, 170.349)

Conversions

Conversions Part 1

Format	Color
Hex	E4FFF5
RGB	228, 255, 245
RGB Percent	89%, 100%, 96%
CMY	0.1045, 0.0000, 0.0378
CMYK	0.10, 0.00, 0.04, 0.00
HSL	158°, 100%, 95%
HSV	158°, 10%, 100%
XYZ	84.5180, 94.9163, 100.5384
YIQ	245.7870, -12.8820, -8.8340

Conversions

Conversions Part 2

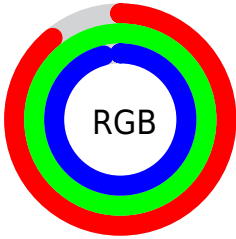
Format	Color
R_{YB}	228, 245, 255
Decimal	15007733
CIE _{Lab}	98.00, -10.57, 1.80
CIE _{LCh}	98, 10.721, 170.349
Yxy	94.9163, 0.3019, 0.3390
Android (android.graphics.Color)	4293197813 (0xFFE4FFF5)
YUV	245.7870, -0.3880, -15.5992
Hunter-Lab	97.4250, -15.6417, 7.0128

Details

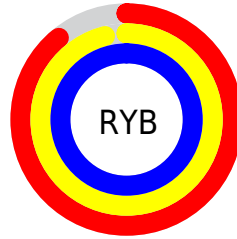
The CIELCh color **98, 10.721, 170.349** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **93, 10.780, 352.759**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 10.643, 171.674** is the 20% darker color. If you saturate the color by 10%, you get **96, 20.447, 169.883**, and if you desaturate by 10%, it is **100, 0.447, 173.003**.

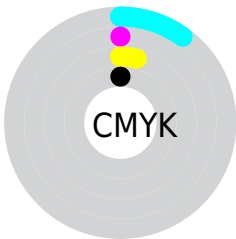
Distribution



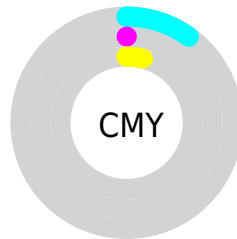
- Red (89%)
- Green (100%)
- Blue (96%)



- Red (89%)
- Yellow (96%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 10.721, 170.349 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, 10.721, 170.349 by changing the saturation by 10% instead.


 98, 10.721,
170.349


 98, 10.721,
170.349


 100, 10.721,
170.349


 88, 10.721,
170.349

 78, 10.721,
170.349

 68, 10.721,
170.349

 58, 10.721,
170.349

 48, 10.721,
170.349

 38, 10.721,
170.349

 28, 10.721,

170.349

■ 18, 10.721,
170.349

■ 8, 10.721, 170.349

■ 98, 10.721,
170.349

■ 98, 10.721,
170.349

■ 96, 20.447,
169.883

100, 0.447,
173.003

■ 95, 30.080,
168.778

100, 0.012,
296.813

■ 93, 39.257,
167.564

■ 92, 47.804,
166.213

■ 91, 55.556,
164.700

■ 90, 62.381,
163.000

■ 90, 68.204,
161.091

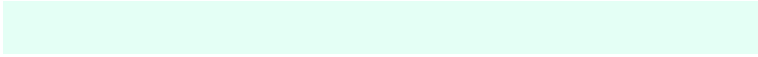
■ 89, 73.037,
158.969

■ 89, 76.904,
156.797

Harmonies

Complementary

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



98, 10.721, 170.349



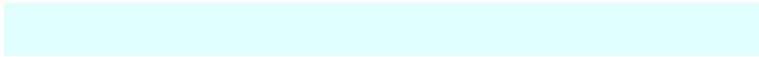
93, 10.780, 352.759

Rectangle

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



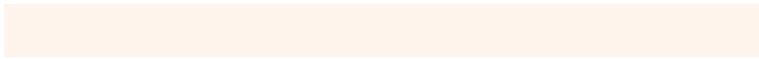
98, 10.721, 170.349



98, 10.721, 220.349



98, 10.721, 350.349



98, 10.721, 40.349

Sweetspot

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



98, 10.521, 170.909



99, 3.024, 171.732



98, 14.871, 133.151



53, 2.293, 171.621



0, 0.000, 0.000



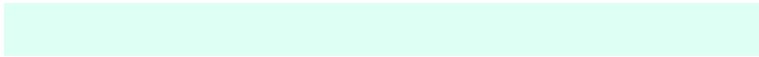
53, 0.007, 296.813

Same Dimension

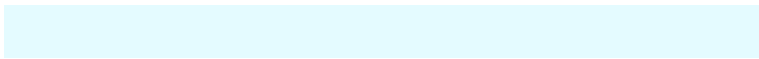
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 10.521, 170.909



97, 13.073, 170.651



97, 8.025, 212.115



52, 5.727, 171.004



69, 61.474, 157.226



23, 26.808, 160.373

Inverse Universe

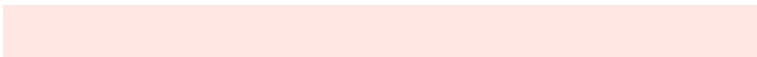
The Inverse Universe completely reimagines the original color for something new.



93, 10.780, 352.759



91, 13.470, 353.030



94, 8.593, 32.112



50, 5.856, 352.659



40, 68.965, 15.495



10, 31.292, 8.031

Previews

White Background



This preview shows how the CIE LCh color 98, 10.721, 170.349 looks on a white background.

Color Contrast Check

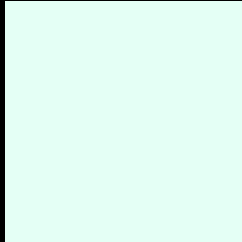
Large Text (above 18pt) WCAG AA × Fail

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, 10.721, 170.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

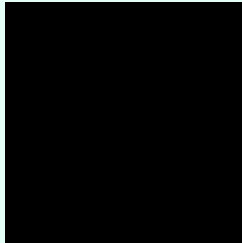
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

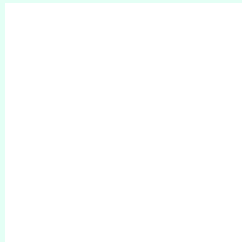
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 10.721, 170.349

Background



This preview shows how black text looks on a background with the CIELCh color 98, 10.721, 170.349.

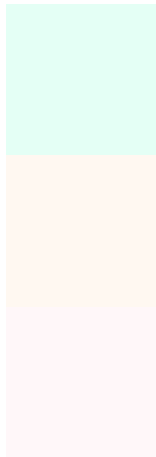


This preview shows how white text looks on a background with the CIELCh color 98, 10.721, 170.349.

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, 10.721, 170.349

Protanopia

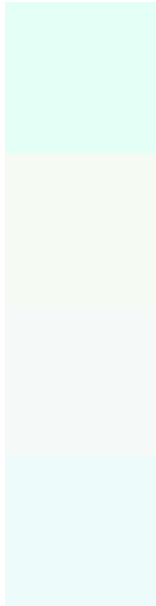
98, 4.327, 74.647

Deuteranopia

98, 3.011, 359.612

Tritanopia
98, 3.497, 260.845

Trichromacy



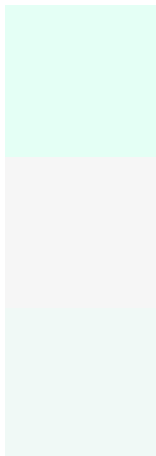
Original Color
98, 10.721, 170.349

Protanomaly
98, 4.604, 137.208

Deuteranomaly
98, 2.030, 169.496

Tritanomaly
98, 4.495, 199.263

Monochromacy



Original Color
98, 10.721, 170.349

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 3.513, 173.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 10.721, 170.349 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(228, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 245)  
}
```

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(228, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 10.721, 170.349 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(228, 255, 245) }
```

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

```
.border{ border-color:rgb(228, 255, 245) }
```

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

Here you see how a box with a 4 pixel rgb(228, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 10.721, 170.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 245) }
```

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

```
.background{ background-color: rgb(228,  
255, 245) }
```

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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