

Converting Colors

CIECh(98, 20.000, 133.302)

Have a look what the booklet for
CIELCh(98, 20.000, 133.302)
contains.

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Color

CIElCh(98, 19.065, 133.464)

Conversions

Conversions Part 1

Format	Color
Hex	E AFF DE
RGB	234, 255, 222
RGB Percent	92%, 100%, 87%
CMY	0.0824, 0.0000, 0.1295
CMYK	0.08, 0.00, 0.13, 0.00
HSL	98°, 100%, 94%
HSV	98°, 13%, 100%
XYZ	83.1827, 94.9163, 83.0208
YIQ	244.9590, -1.9230, -14.7150

Conversions

Conversions Part 2

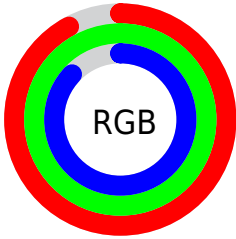
Format	Color
R_{YB}	222, 255, 243
Decimal	15400926
CIE _{Lab}	98.00, -13.11, 13.84
CIE _{LCh}	98, 19.065, 133.464
Yxy	94.9163, 0.3186, 0.3635
Android (android.graphics.Color)	4293591006 (0xFFEAF _{FDE})
YUV	244.9590, -11.3188, -9.6110
Hunter-Lab	97.4250, -18.0881, 17.6734

Details

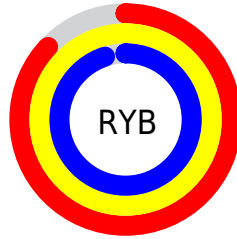
The CIELCh color **98, 19.065, 133.464** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **91, 18.701, 314.225**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 18.231, 133.303** is the 20% darker color. If you saturate the color by 10%, you get **96, 32.766, 132.648**, and if you desaturate by 10%, it is **99, 4.186, 133.611**.

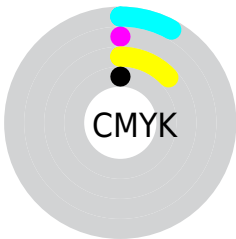
Distribution



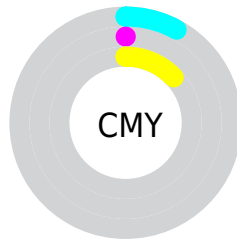
- Red (92%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 19.065, 133.464 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, 19.065, 133.464 by changing the saturation by 10% instead.


 98, 19.065,
133.464


 98, 19.065,
133.464

 100, 19.065,
133.464

 88, 19.065,
133.464

 78, 19.065,
133.464

 68, 19.065,
133.464

 58, 19.065,
133.464

 48, 19.065,
133.464

 38, 19.065,
133.464

 28, 19.065,

133.464

■ 18, 19.065,
133.464

■ 8, 19.065, 133.464

■ 98, 19.065,
133.464

■ 98, 19.065,
133.464

■ 96, 32.766,
132.648

■ 99, 4.186, 133.611

■ 95, 46.947,
132.135

100, 0.012,
296.813

■ 93, 60.805,
131.616

■ 92, 74.055,
131.135

■ 91, 86.293,
130.762

■ 90, 96.981,
130.605

■ 90, 105.491,
130.797

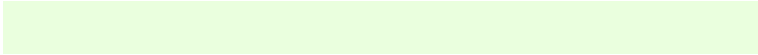
■ 89, 111.323,
131.447

■ 89, 113.973,
132.127

Harmonies

Complementary

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



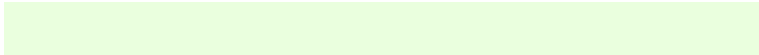
98, 19.065, 133.464



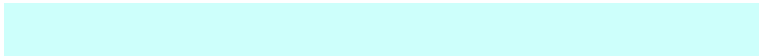
91, 18.701, 314.225

Rectangle

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



98, 19.065, 133.464



98, 19.065, 183.464



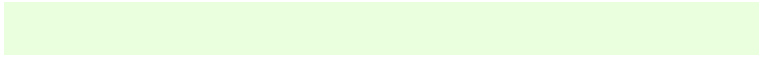
98, 19.065, 313.464



98, 19.065, 3.464

Sweetspot

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



98, 18.465, 133.135



99, 5.676, 133.555



96, 11.551, 86.687



53, 4.037, 133.517



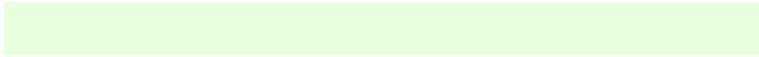
0, 0.000, 0.000



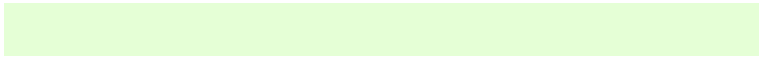
53, 0.007, 296.813

Same Dimension

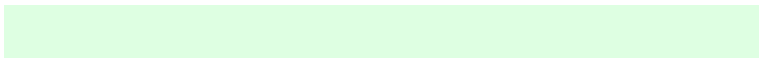
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 18.465, 133.135



97, 22.826, 132.990



97, 18.819, 147.486



52, 8.095, 133.295



69, 91.535, 131.880



23, 40.652, 130.580

Inverse Universe

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



91, 18.701, 314.225



89, 23.180, 314.361



92, 18.861, 329.063



49, 8.176, 314.071



34, 97.665, 315.410



7, 44.497, 316.696

Previews

White Background



This preview shows how the CIE LCh color 98, 19.065, 133.464 looks on a white background.

Color Contrast Check

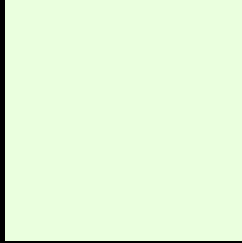
Large Text (above 18pt) WCAG AA × Fail

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, 19.065, 133.464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

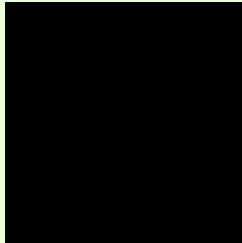
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

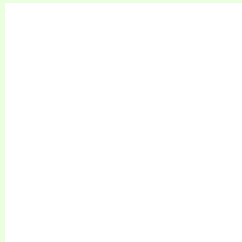
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 19.065, 133.464

Background



This preview shows how black text looks on a background with the CIELCh color 98, 19.065, 133.464.

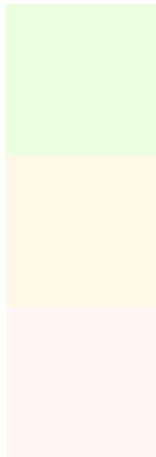


This preview shows how white text looks on a background with the CIELCh color 98, 19.065, 133.464.

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



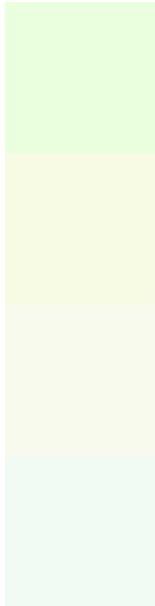
Original Color
98, 18.448, 133.134

Protanopia
98, 8.994, 93.134

Deuteranopia
98, 3.208, 47.763

Tritanopia
98, 3.638, 279.505

Trichromacy



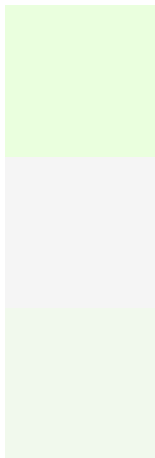
Original Color
98, 18.448, 133.134

Protanomaly
98, 11.783, 116.332

Deuteranomaly
98, 7.207, 118.176

Tritanomaly
98, 5.186, 147.464

Monochromacy



Original Color
98, 18.448, 133.134

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 6.768, 134.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 19.065, 133.464 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(234, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 222)  
}
```

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(234, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 19.065, 133.464 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(234, 255, 222) }
```

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

```
.border{ border-color:rgb(234, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 19.065, 133.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 222) }
```

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

```
.background{ background-color: rgb(234,  
255, 222) }
```

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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