

Converting Colors

CIELCh(100, 36.300, 121.178)

Have a look what the booklet for
CIELCh(100, 36.300, 121.178)
contains.

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Color

CIElCh(98, 31.228, 117.555)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFC3
RGB	242, 255, 195
RGB Percent	95%, 100%, 76%
CMY	0.0513, 0.0000, 0.2357
CMYK	0.05, 0.00, 0.24, 0.00
HSL	73°, 100%, 88%
HSV	73°, 24%, 100%
XYZ	82.4900, 94.9163, 65.5385
YIQ	244.2730, 11.5120, -21.4160

Conversions

Conversions Part 2

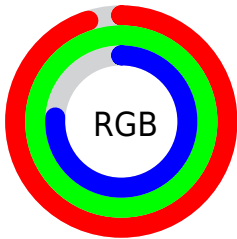
Format	Color
RYB	195, 255, 208
Decimal	15925187
CIELab	98.00, -14.45, 27.69
CIELCh	98, 31.228, 117.555
Yxy	94.9163, 0.3395, 0.3907
Android (android.graphics.Color)	4294115267 (0xFFFF2FFC3)
YUV	244.2730, -24.2916, -1.9934
Hunter-Lab	97.4250, -19.3573, 28.3126

Details

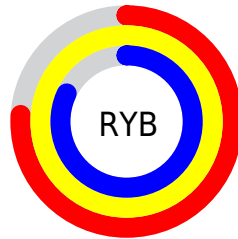
The CIELCh color **98, 31.228, 117.555** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **82, 32.335, 300.491**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.510, 110.014**, and **78, 30.525, 117.201** is the 20% darker color. If you saturate the color by 10%, you get **97, 43.488, 116.413**, and if you desaturate by 10%, it is **99, 17.749, 117.763**.

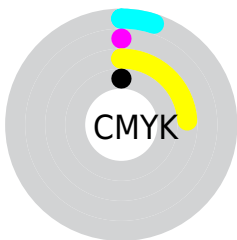
Distribution



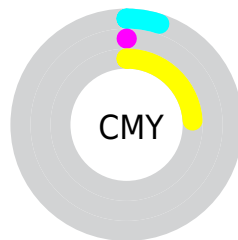
- Red (95%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (82%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 31.228, 117.555 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, 31.228, 117.555 by changing the saturation by 10% instead.


 98, 31.228,
117.555


 98, 31.228,
117.555


 100, 31.228,
117.555


 88, 31.228,
117.555

 78, 31.228,
117.555

 68, 31.228,
117.555

 58, 31.228,
117.555

 48, 31.228,
117.555

 38, 31.228,
117.555

 28, 31.228,

117.555

■ 18, 31.228,
117.555

■ 8, 31.228, 117.555

■ 98, 31.228,
117.555

■ 98, 31.228,
117.555

■ 97, 43.488,
116.413

■ 99, 17.749,
117.763

■ 96, 55.858,
115.780

■ 100, 4.668,
118.435

■ 96, 67.571,
115.227

100, 0.012,
296.813

■ 95, 78.239,
114.818

■ 94, 87.323,
114.635

■ 94, 94.210,
114.780

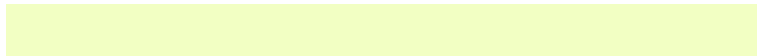
■ 94, 98.450,
115.337

■ 93, 99.987,
115.885

Harmonies

Complementary

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



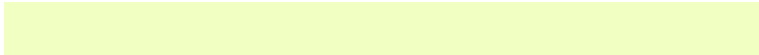
98, 31.228, 117.555



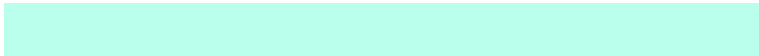
82, 32.335, 300.491

Rectangle

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



98, 31.228, 117.555



98, 31.228, 167.555



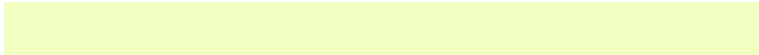
98, 31.228, 297.555



98, 31.228, 347.555

Sweetspot

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



98, 30.727, 117.084



99, 9.159, 118.206



87, 19.400, 40.919



53, 5.952, 118.165



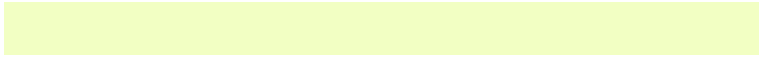
0, 0.000, 0.000



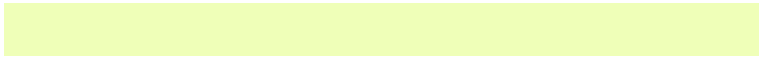
53, 0.007, 296.813

Same Dimension

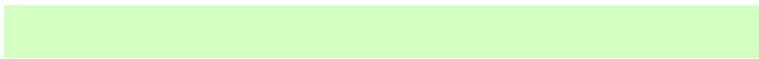
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 30.727, 117.084



97, 36.414, 116.784



96, 34.448, 135.144



53, 7.439, 118.038



72, 80.457, 115.682



25, 36.299, 114.594

Inverse Universe

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



82, 32.335, 300.491



78, 38.736, 300.905



84, 35.027, 317.274



49, 7.595, 299.326



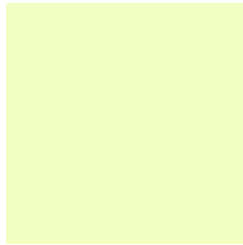
25, 105.947, 307.395



4, 44.593, 305.896

Previews

White Background



This preview shows how the CIELCh color 98, 31.228, 117.555 looks on a white background.

Color Contrast Check

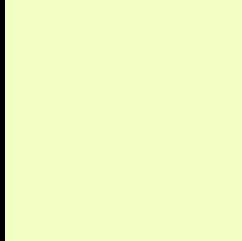
Large Text (above 18pt) WCAG AA × Fail

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, 31.228, 117.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

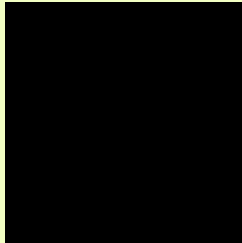
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

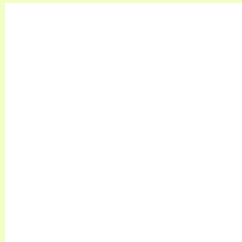
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 98, 31.228, 117.555

Background



This preview shows how black text looks on a background with the CIELCh color 98, 31.228, 117.555.

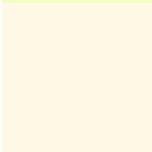


This preview shows how white text looks on a background with the CIELCh color 98, 31.228, 117.555.

Color Blindness Simulation

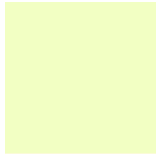
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

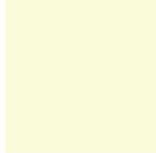
	Original Color 98, 30.670, 117.054
	Protanopia 98, 10.471, 95.314
	Deuteranopia 98, 3.799, 61.384

Tritanopia
98, 4.239, 304.727

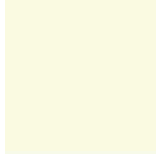
Trichromacy



Original Color
98, 30.670, 117.054



Protanomaly
98, 17.759, 110.008

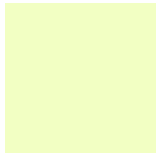


Deuteranomaly
98, 12.700, 109.203

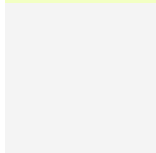


Tritanomaly
98, 8.718, 116.604

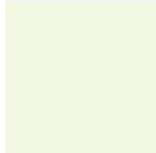
Monochromacy



Original Color
98, 30.670, 117.054



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 11.362, 118.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 31.228, 117.555 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(242, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 195)  
}
```

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(242, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 31.228, 117.555 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(242, 255, 195) }
```

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

```
.border{ border-color:rgb(242, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 31.228, 117.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 195) }
```

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

```
.background{ background-color: rgb(242,  
255, 195) }
```

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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