

Converting Colors

CIELCh(100, 38.568, 120.534)

Have a look what the booklet for
CIELCh(100, 38.568, 120.534)
contains.

CIELCh(98, 33.678, 116.706)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(98, 33.678, 116.706)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFBE
RGB	242, 255, 190
RGB Percent	95%, 100%, 75%
CMY	0.0502, 0.0000, 0.2544
CMYK	0.05, 0.00, 0.25, 0.00
HSL	72°, 100%, 87%
HSV	72°, 25%, 100%
XYZ	82.1329, 94.9163, 62.7841
YIQ	243.7030, 13.1170, -22.9710

Conversions

Conversions Part 2

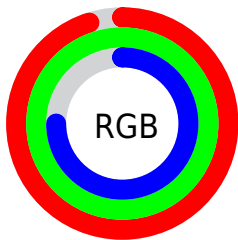
Format	Color
R _Y B	190, 255, 203
Decimal	15925182
CIE Lab	98.00, -15.14, 30.09
CIE LCh	98, 33.678, 116.706
Yxy	94.9163, 0.3425, 0.3958
Android (android.graphics.Color)	4294115262 (0xFFFF2FFBE)
YUV	243.7030, -26.4756, -1.4935
Hunter-Lab	97.4250, -20.0116, 29.9889

Details

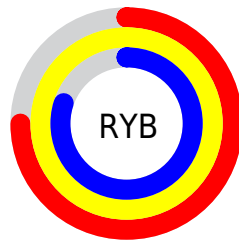
The CIELCh color **98, 33.678, 116.706** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 34.966, 299.976**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 4.046, 109.857**, and **78, 33.067, 116.267** is the 20% darker color. If you saturate the color by 10%, you get **97, 45.712, 115.441**, and if you desaturate by 10%, it is **99, 20.133, 116.832**.

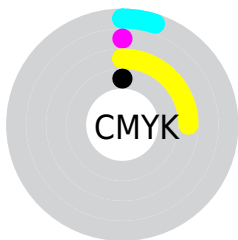
Distribution



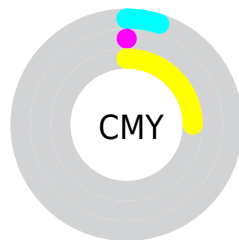
- Red (95%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (80%)



- Cyan (5%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 33.678, 116.706 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, 33.678, 116.706 by changing the saturation by 10% instead.


 98, 33.678,
116.706


 98, 33.678,
116.706


 100, 33.678,
116.706


 88, 33.678,
116.706

 78, 33.678,
116.706

 68, 33.678,
116.706

 58, 33.678,
116.706

 48, 33.678,
116.706

 38, 33.678,
116.706

 28, 33.678,

116.706

■ 18, 33.678,
116.706

■ 8, 33.678, 116.706

■ 98, 33.678,
116.706

■ 98, 33.678,
116.706

■ 97, 45.712,
115.441

■ 99, 20.133,
116.832

■ 96, 57.941,
114.796

■ 99, 7.097, 117.529

■ 96, 69.448,
114.240

100, 0.012,
296.813

■ 95, 79.814,
113.837

■ 95, 88.476,
113.673

■ 94, 94.824,
113.843

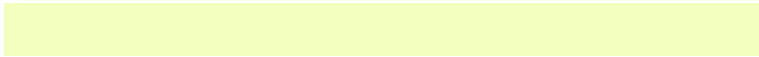
■ 94, 98.482,
114.419

■ 94, 99.487,
114.783

Harmonies

Complementary

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



98, 33.678, 116.706



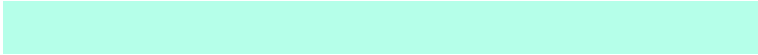
80, 34.966, 299.976

Rectangle

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



98, 33.678, 116.706



98, 33.678, 166.706



98, 33.678, 296.706



98, 33.678, 346.706

Sweetspot

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



98, 33.047, 116.130



99, 10.445, 117.351



86, 21.517, 37.482



53, 7.423, 117.247



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

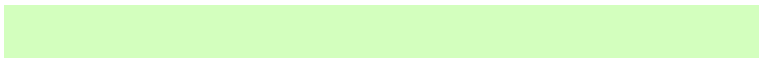
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 33.047, 116.130



97, 40.134, 115.743



96, 36.805, 134.015



53, 7.423, 117.247



72, 80.066, 114.594



25, 36.163, 113.593

Inverse Universe

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



80, 34.966, 299.976



76, 43.074, 300.537



83, 37.568, 316.299



49, 7.580, 298.585



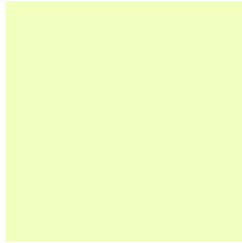
24, 106.218, 307.221



4, 44.553, 305.498

Previews

White Background



This preview shows how the CIE LCh color 98, 33.678, 116.706 looks on a white background.

Color Contrast Check

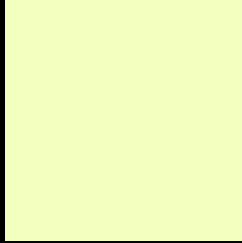
Large Text (above 18pt) WCAG AA × Fail

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, 33.678, 116.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

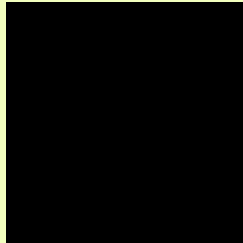
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 33.678, 116.706

Background



This preview shows how black text looks on a background with the CIELCh color 98, 33.678, 116.706.

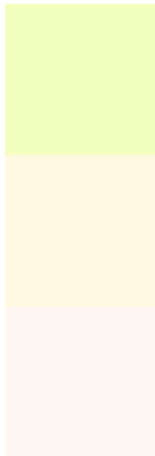


This preview shows how white text looks on a background with the CIELCh color 98, 33.678, 116.706.

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, 33.125, 116.230

Protanopia

98, 10.966, 95.903

Deuteranopia

98, 4.157, 66.587

Tritanopia
98, 4.239, 304.727

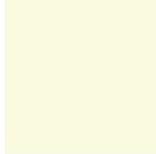
Trichromacy



Original Color
98, 33.125, 116.230



Protanomaly
98, 18.769, 109.869

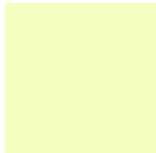


Deuteranomaly
98, 13.714, 109.126

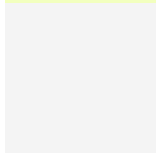


Tritanomaly
98, 9.727, 115.808

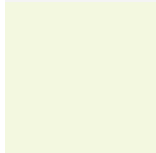
Monochromacy



Original Color
98, 33.125, 116.230



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 12.367, 117.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 33.678, 116.706 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 33.678, 116.706 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, 190) }
```

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

```
.border{ border-color:rgb(242, 255, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 33.678, 116.706 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, 190) }
```

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

```
.background{ background-color: rgb(242,  
255, 190) }
```

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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