

Converting Colors

CIELCh(98, 50.789, 109.643)

Have a look what the booklet for
CIELCh(98, 50.789, 109.643)
contains.

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Color

CIElCh(98, 50.282, 109.037)

Conversions

Conversions Part 1

Format	Color
Hex	FAFF9B
RGB	250, 255, 155
RGB Percent	98%, 100%, 61%
CMY	0.0192, 0.0000, 0.3921
CMYK	0.02, 0.00, 0.39, 0.00
HSL	63°, 100%, 80%
HSV	63°, 39%, 100%
XYZ	81.4798, 94.9163, 45.0403
YIQ	242.1050, 29.1200, -32.1600

Conversions

Conversions Part 2

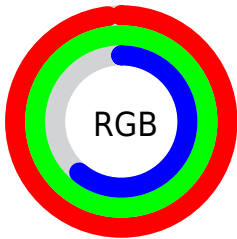
Format	Color
RYB	155, 255, 160
Decimal	16449435
CIELab	98.00, -16.40, 47.53
CIELCh	98, 50.282, 109.037
Yxy	94.9163, 0.3680, 0.4286
Android (android.graphics.Color)	4294639515 (0xFFFAFF9B)
YUV	242.1050, -42.9428, 6.9239
Hunter-Lab	97.4250, -21.2081, 40.7873

Details

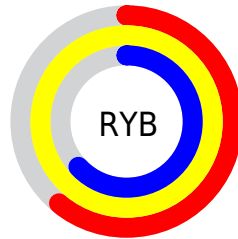
The CIELCh color **98, 50.282, 109.037** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 55.114, 296.924**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.227, 108.494**, and **78, 49.563, 108.516** is the 20% darker color. If you saturate the color by 10%, you get **97, 61.590, 107.774**, and if you desaturate by 10%, it is **98, 37.428, 109.480**.

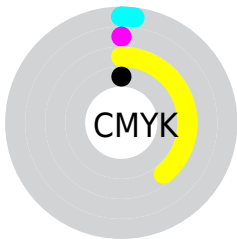
Distribution



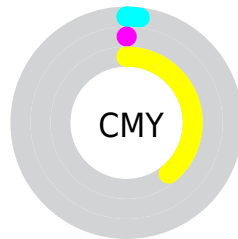
- Red (98%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (63%)



- Cyan (2%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 50.282, 109.037 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, 50.282, 109.037 by changing the saturation by 10% instead.

 98, 50.282,
109.037

 98, 50.282,
109.037

 100, 50.282,
109.037


 88, 50.282,
109.037

 78, 50.282,
109.037

 68, 50.282,
109.037

 58, 50.282,
109.037

 48, 50.282,
109.037

 38, 50.282,
109.037

 28, 50.282,

109.037

■ 18, 50.282,
109.037

■ 8, 50.282, 109.037

■ 98, 50.282,
109.037

■ 98, 50.282,
109.037

■ 97, 61.590,
107.774

■ 98, 37.428,
109.480

■ 97, 72.509,
107.035

■ 99, 24.752,
110.381

■ 97, 82.049,
106.432

■ 99, 11.900,
111.283

■ 96, 89.596,
106.020

100, 0.012,
296.813

■ 96, 94.584,
105.851

■ 96, 96.960,
105.928

■ 96, 97.100,
105.938

Harmonies

Complementary

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



98, 50.282, 109.037



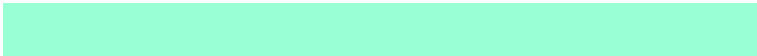
68, 55.114, 296.924

Rectangle

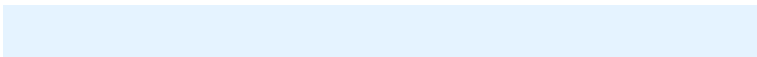
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 50.282, 109.037



98, 50.282, 159.037



98, 50.282, 289.037



98, 50.282, 339.037

Sweetspot

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



98, 49.782, 108.602



99, 15.496, 111.033



75, 39.421, 25.565



53, 10.275, 110.915



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

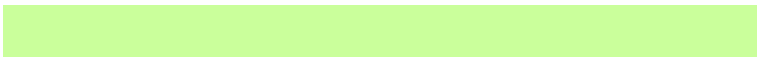
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 49.782, 108.602



97, 59.041, 107.951



94, 54.068, 128.386



53, 7.345, 111.256



74, 78.204, 105.886



26, 35.553, 105.707

Inverse Universe

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



68, 55.114, 296.924



62, 67.139, 298.258



72, 56.975, 312.121



49, 7.511, 293.019



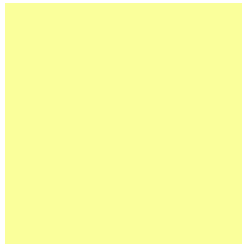
23, 107.536, 306.426



4, 44.246, 302.744

Previews

White Background



This preview shows how the CIE LCh color 98, 50.282, 109.037 looks on a white background.

Color Contrast Check

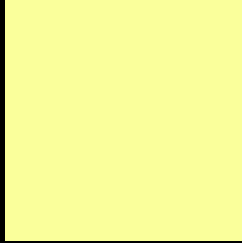
Large Text (above 18pt) WCAG AA × Fail

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, 50.282, 109.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

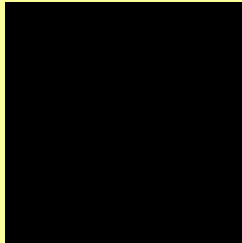
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 50.282, 109.037

Background



This preview shows how black text looks on a background with the CIELCh color 98, 50.282, 109.037.

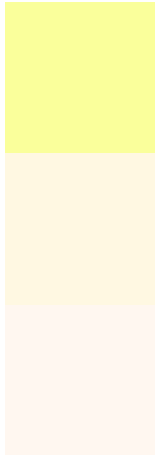


This preview shows how white text looks on a background with the CIELCh color 98, 50.282, 109.037.

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, 49.789, 108.645

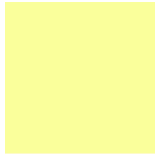
Protanopia
98, 11.462, 96.437

Deuteranopia
98, 4.545, 70.928

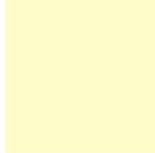


Tritanopia
98, 5.191, 327.752

Trichromacy



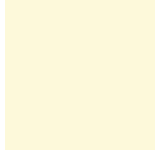
Original Color
98, 49.789, 108.645



Protanomaly
98, 25.816, 106.520

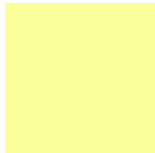


Deuteranomaly
98, 20.817, 105.497

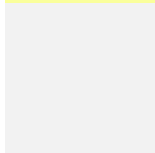


Tritanomaly
98, 15.809, 103.614

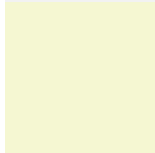
Monochromacy



Original Color
98, 49.789, 108.645



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 18.839, 110.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 50.282, 109.037 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(250, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 155)  
}
```

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(250, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 50.282, 109.037 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(250, 255, 155) }
```

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

```
.border{ border-color:rgb(250, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 50.282, 109.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 155) }
```

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

```
.background{ background-color: rgb(250,  
255, 155) }
```

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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