

Converting Colors

CIELCh(98, 46.062, 110.610)

Have a look what the booklet for
CIELCh(98, 46.062, 110.610)
contains.

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Color

CIElCh(98, 45.530, 110.151)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFA5
RGB	249, 255, 165
RGB Percent	98%, 100%, 65%
CMY	0.0239, 0.0000, 0.3536
CMYK	0.02, 0.00, 0.35, 0.00
HSL	64°, 100%, 82%
HSV	64°, 35%, 100%
XYZ	81.8489, 94.9163, 49.5237
YIQ	242.9460, 25.3140, -29.2620

Conversions

Conversions Part 2

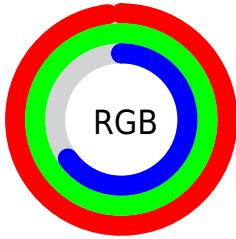
Format	Color
R_{YB}	165, 255, 171
Decimal	16383909
CIE _{Lab}	98.00, -15.68, 42.74
CIE _{LCh}	98, 45.530, 110.151
Yxy	94.9163, 0.3617, 0.4194
Android (android.graphics.Color)	4294573989 (0xFFFF9FFA5)
YUV	242.9460, -38.4274, 5.3094
Hunter-Lab	97.4250, -20.5319, 38.0588

Details

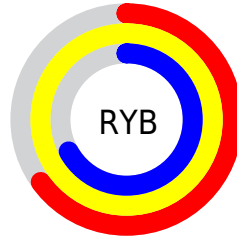
The CIELCh color **98, 45.530, 110.151** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **71, 49.310, 296.893**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **78, 44.772, 109.775** is the 20% darker color. If you saturate the color by 10%, you get **97, 57.168, 108.945**, and if you desaturate by 10%, it is **98, 32.597, 110.630**.

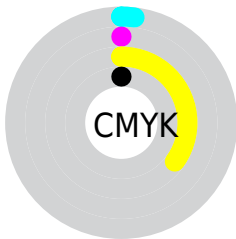
Distribution



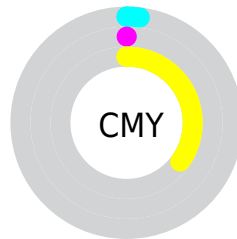
- Red (98%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 45.530, 110.151 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, 45.530, 110.151 by changing the saturation by 10% instead.


 98, 45.530,
110.151


 98, 45.530,
110.151


 100, 45.530,
110.151


 88, 45.530,
110.151

 78, 45.530,
110.151

 68, 45.530,
110.151

 58, 45.530,
110.151

 48, 45.530,
110.151

 38, 45.530,
110.151

 28, 45.530,

110.151

■ 18, 45.530,
110.151

■ 8, 45.530, 110.151

■ 98, 45.530,
110.151

■ 98, 45.530,
110.151

■ 97, 57.168,
108.945

■ 98, 32.597,
110.630

■ 97, 68.491,
108.197

■ 99, 19.830,
111.506

■ 97, 78.644,
107.571

■ 100, 6.929,
112.374

■ 96, 87.054,
107.125

■ 100, 0.012,
296.813

■ 96, 93.104,
106.918

■ 96, 96.416,
106.991

■ 96, 97.255,
107.097

Harmonies

Complementary

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



98, 45.530, 110.151



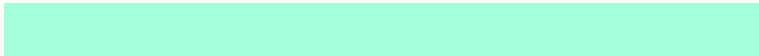
71, 49.310, 296.893

Rectangle

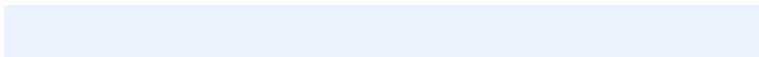
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 45.530, 110.151



98, 45.530, 160.151



98, 45.530, 290.151



98, 45.530, 340.151

Sweetspot

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



98, 45.107, 109.768



99, 14.218, 111.887



78, 34.055, 27.597



53, 9.550, 111.769



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

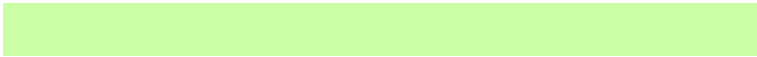
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 45.107, 109.768



97, 53.182, 109.215



95, 49.329, 129.716



53, 7.350, 112.017



74, 78.325, 107.025



26, 35.588, 106.730

Inverse Universe

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



71, 49.310, 296.893



66, 59.390, 297.923



75, 51.477, 313.000



49, 7.516, 293.721



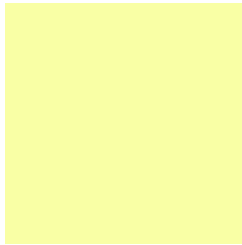
23, 107.438, 306.482



4, 44.288, 303.106

Previews

White Background



This preview shows how the CIE LCh color 98, 45.530, 110.151 looks on a white background.

Color Contrast Check

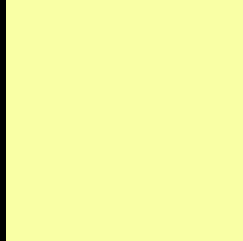
Large Text (above 18pt) WCAG AA × Fail

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, 45.530, 110.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

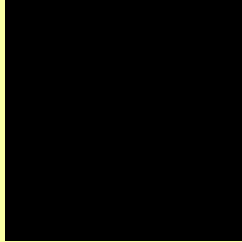
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 45.530, 110.151

Background



This preview shows how black text looks on a background with the CIELCh color 98, 45.530, 110.151.

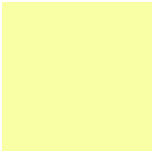
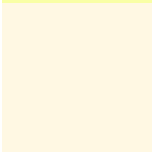



This preview shows how white text looks on a background with the CIELCh color 98, 45.530, 110.151.

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](#).

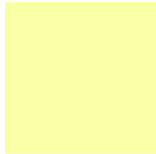
Dichromacy

	Original Color 98, 45.024, 109.728
	Protanopia 98, 10.966, 95.903
	Deuteranopia 98, 4.545, 70.928

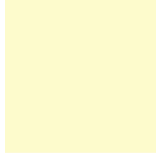


Tritanopia
98, 5.413, 321.519

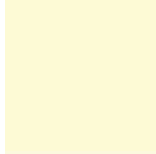
Trichromacy



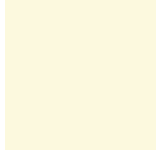
Original Color
98, 45.024, 109.728



Protanomaly
98, 23.807, 106.544

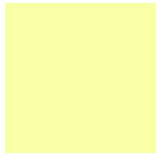


Deuteranomaly
98, 18.800, 105.341

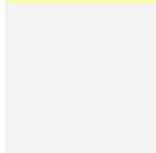


Tritanomaly
98, 13.758, 104.542

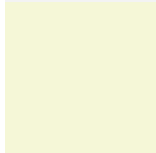
Monochromacy



Original Color
98, 45.024, 109.728



Achromatopsia
96, 0.011, 296.813



Achromatomaly
96, 16.308, 111.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 45.530, 110.151 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(249, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 165)  
}
```

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(249, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 45.530, 110.151 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(249, 255, 165) }
```

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

```
.border{ border-color:rgb(249, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 255, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 255, 165); box-shadow:4px 4px 4px 4px rgb(249, 255, 165) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 45.530, 110.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 165) }
```

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

```
.background{ background-color: rgb(249,  
255, 165) }
```

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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