

Converting Colors

CIELCh(100, 49.027, 93.385)

Have a look what the booklet for
CIELCh(100, 49.027, 93.385)
contains.

CIELCh(98, 47.869, 106.034)	3
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Color

CIELCh(98, 47.869, 106.034)

Conversions

Conversions Part 1

Format	Color
Hex	FFFE9E
RGB	255, 254, 158
RGB Percent	100%, 100%, 62%
CMY	0.0000, 0.0025, 0.3791
CMYK	0.00, 0.00, 0.38, 0.00
HSL	60°, 100%, 81%
HSV	60°, 38%, 100%
XYZ	83.1269, 94.9163, 46.4375
YIQ	243.3550, 31.4120, -29.6440

Conversions

Conversions Part 2

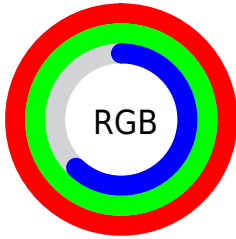
Format	Color
R _Y B	159, 255, 158
Decimal	16776862
CIE Lab	98.00, -13.22, 46.01
CIE LCh	98, 47.869, 106.034
Yxy	94.9163, 0.3703, 0.4228
Android (android.graphics.Color)	4294966942 (0xFFFFFE9E)
YUV	243.3550, -42.0800, 10.2127
Hunter-Lab	97.4250, -18.1904, 39.9370

Details

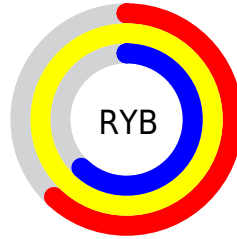
The CIELCh color $98, 47.869, 106.034$ is a light color, and the websafe version is hex `FFFF99`. A complement of this color would be $69, 52.739, 295.007$, and the grayscale version is $96, 0.011, 296.813$.

A 20% lighter version of the original color is $99, 20.719, 108.609$, and $78, 47.614, 105.752$ is the 20% darker color. If you saturate the color by 10%, you get $98, 59.702, 105.283$, and if you desaturate by 10%, it is $98, 35.536, 107.174$.

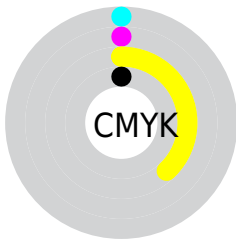
Distribution



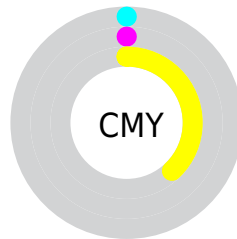
- Red (100%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 47.869, 106.034 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, 47.869, 106.034 by changing the saturation by 10% instead.


 98, 47.869,
106.034


 98, 47.869,
106.034


 100, 47.869,
106.034


 88, 47.869,
106.034

 78, 47.869,
106.034

 68, 47.869,
106.034

 58, 47.869,
106.034

 48, 47.869,
106.034

 38, 47.869,
106.034

 28, 47.869,

106.034

■ 18, 47.869,
106.034

■ 8, 47.869, 106.034

■ 98, 47.869,
106.034

■ 98, 47.869,
106.034

■ 98, 59.702,
105.283

■ 98, 35.536,
107.174

■ 97, 70.708,
104.431

■ 99, 22.915,
108.157

■ 97, 80.412,
103.687

■ 99, 10.140,
109.138

■ 97, 88.208,
103.093

■ 100, 0.012,
296.813

■ 97, 93.496,
102.683

■ 97, 96.066,
102.463

■ 97, 96.422,
102.429

Harmonies

Complementary

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



98, 47.869, 106.034



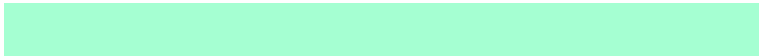
69, 52.739, 295.007

Rectangle

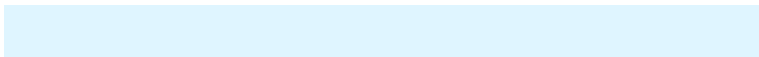
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 47.869, 106.034



98, 47.869, 156.034



98, 47.869, 286.034



98, 47.869, 336.034

Sweetspot

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



98, 47.870, 106.208



99, 14.101, 108.836



75, 38.905, 21.810



53, 9.472, 108.704



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

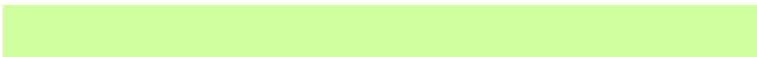
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 47.870, 106.208



98, 56.330, 105.546



95, 51.634, 126.674



53, 7.290, 108.983



75, 77.669, 102.437



26, 35.342, 102.634

Inverse Universe

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



69, 52.739, 295.007



63, 63.570, 296.341



73, 54.673, 310.443



49, 7.453, 290.915



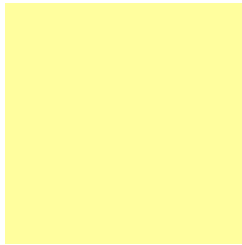
23, 107.480, 306.211



3, 43.917, 301.651

Previews

White Background



This preview shows how the CIE LCh color 98, 47.869, 106.034 looks on a white background.

Color Contrast Check

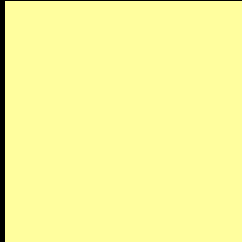
Large Text (above 18pt) WCAG AA × Fail

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, 47.869, 106.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

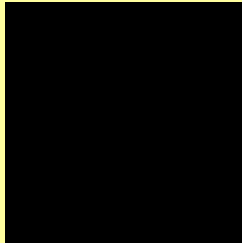
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 47.869, 106.034

Background



This preview shows how black text looks on a background with the CIELCh color 98, 47.869, 106.034.



This preview shows how white text looks on a background with the CIELCh color 98, 47.869, 106.034.

Color Blindness Simulation

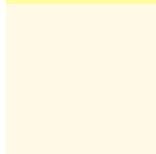
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



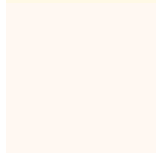
Original Color

98, 47.869, 106.034




Protanopia

98, 9.885, 96.715



Deuteranopia

98, 3.919, 70.425

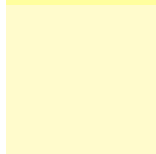


Tritanopia
98, 4.180, 332.450

Trichromacy



Original Color
98, 47.869, 106.034



Protanomaly
98, 23.839, 104.735



Deuteranomaly
98, 19.358, 103.182

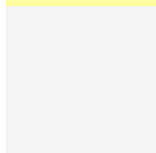


Tritanomaly
98, 15.834, 102.288

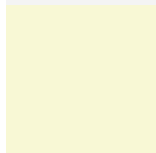
Monochromacy



Original Color
98, 47.869, 106.034



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 17.791, 108.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 47.869, 106.034 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(255, 254, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 158)  
}
```

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(255, 254, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 47.869, 106.034 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(255, 254, 158) }
```

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

```
.border{ border-color:rgb(255, 254, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 47.869, 106.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 158) }
```

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

```
.background{ background-color: rgb(255,  
254, 158) }
```

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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