

Converting Colors

CIELCh(100, 51.772, 91.222)

Have a look what the booklet for
CIELCh(100, 51.772, 91.222)
contains.

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Color

CIELCh(98, 49.812, 105.431)

Conversions

Conversions Part 1

Format	Color
Hex	FFFE9A
RGB	255, 254, 154
RGB Percent	100%, 100%, 60%
CMY	0.0000, 0.0028, 0.3953
CMYK	0.00, 0.00, 0.40, 0.00
HSL	60°, 100%, 80%
HSV	60°, 40%, 100%
XYZ	83.1101, 94.9163, 44.6026
YIQ	242.8990, 32.6960, -30.8880

Conversions

Conversions Part 2

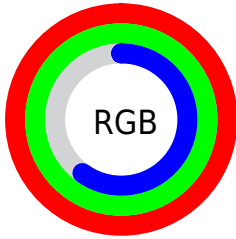
Format	Color
RYB	155, 255, 154
Decimal	16776858
CIELab	98.00, -13.25, 48.02
CIElCh	98, 49.812, 105.431
Yxy	94.9163, 0.3733, 0.4263
Android (android.graphics.Color)	4294966938 (0xFFFFE9A)
YUV	242.8990, -43.8272, 10.6126
Hunter-Lab	97.4250, -18.2211, 41.0537

Details

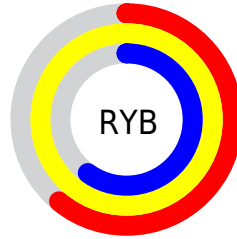
The CIELCh color **98, 49.812, 105.431** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 55.159, 295.286**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **78, 49.526, 105.574** is the 20% darker color. If you saturate the color by 10%, you get **98, 61.528, 105.122**, and if you desaturate by 10%, it is **98, 37.542, 106.999**.

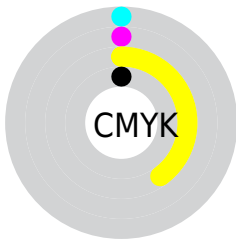
Distribution



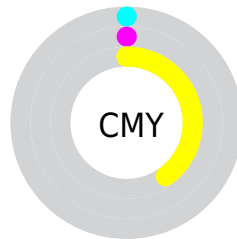
- Red (100%)
- Green (100%)
- Blue (60%)



- Red (61%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 49.812, 105.431 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, 49.812, 105.431 by changing the saturation by 10% instead.


 98, 49.812,
105.431


 98, 49.812,
105.431


 100, 49.812,
105.431


 88, 49.812,
105.431

 78, 49.812,
105.431

 68, 49.812,
105.431

 58, 49.812,
105.431

 48, 49.812,
105.431

 38, 49.812,
105.431

 28, 49.812,

105.431

■ 18, 49.812,
105.431

■ 8, 49.812, 105.431

■ 98, 49.812,
105.431

■ 98, 49.812,
105.431

■ 98, 61.528,
105.122

■ 98, 37.542,
106.999

■ 97, 72.357,
104.283

■ 99, 24.960,
107.981

■ 97, 81.795,
103.560

■ 99, 12.208,
108.964

■ 97, 89.220,
102.992

100, 0.012,
296.813

■ 97, 94.063,
102.612

■ 97, 96.312,
102.411

■ 97, 96.393,
102.404

Harmonies

Complementary

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



98, 49.812, 105.431



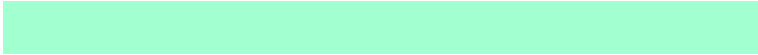
68, 55.159, 295.286

Rectangle

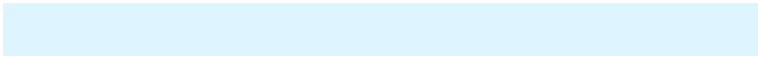
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 49.812, 105.431



98, 49.812, 155.431



98, 49.812, 285.431



98, 49.812, 335.431

Sweetspot

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



98, 49.807, 106.037



99, 15.374, 108.722



74, 40.781, 22.071



53, 10.195, 108.594



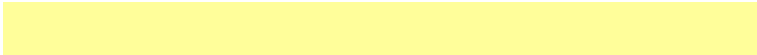
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

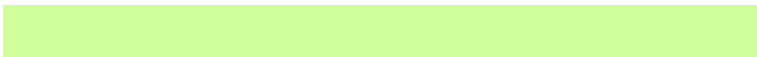
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 49.807, 106.037



98, 58.636, 105.347



95, 53.770, 126.597



53, 7.287, 108.966



75, 77.646, 102.411



26, 35.331, 102.613

Inverse Universe

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



68, 55.159, 295.286



62, 66.648, 296.726



72, 57.092, 310.535



49, 7.450, 290.900



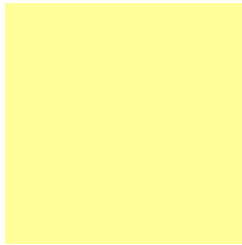
23, 107.462, 306.206



3, 43.904, 301.645

Previews

White Background



This preview shows how the CIE LCh color 98, 49.812, 105.431 looks on a white background.

Color Contrast Check

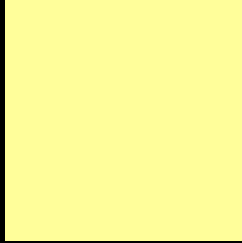
Large Text (above 18pt) WCAG AA × Fail

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, 49.812, 105.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

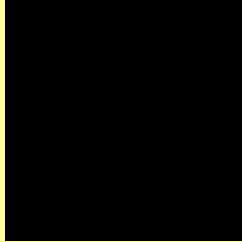
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 49.812, 105.431

Background



This preview shows how black text looks on a background with the CIELCh color 98, 49.812, 105.431.



This preview shows how white text looks on a background with the CIELCh color 98, 49.812, 105.431.

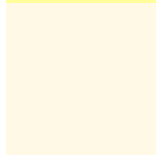
Color Blindness Simulation

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](#).

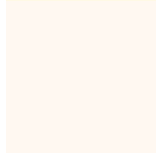
Dichromacy




Original Color
98, 49.777, 105.903



Protanopia
98, 10.382, 97.276



Deuteranopia
98, 4.327, 74.647

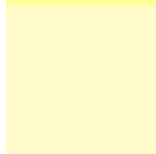


Tritanopia
98, 4.180, 332.450

Trichromacy



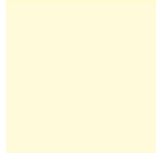
Original Color
98, 49.777, 105.903



Protanomaly
98, 24.843, 104.794



Deuteranomaly
98, 20.867, 103.443

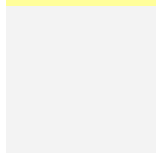


Tritanomaly
98, 16.841, 102.593

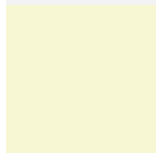
Monochromacy



Original Color
98, 49.777, 105.903



Achromatopsia
96, 0.011, 296.813



Achromatomaly
96, 18.311, 108.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 49.812, 105.431 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 49.812, 105.431 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, 154) }
```

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

```
.border{ border-color:rgb(255, 254, 154) }
```

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, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 49.812, 105.431 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, 154) }
```

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

```
.background{ background-color: rgb(255,  
254, 154) }
```

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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