

Converting Colors

CIELCh(100, 49.999, 97.449)

Have a look what the booklet for
CIELCh(100, 49.999, 97.449)
contains.

CIELCh(98, 48.795, 106.446)	3
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Color

CIELCh(98, 48.795, 106.446)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF9D
RGB	255, 255, 157
RGB Percent	100%, 100%, 62%
CMY	0.0014, 0.0013, 0.3856
CMYK	0.00, 0.00, 0.38, 0.00
HSL	60°, 99%, 81%
HSV	60°, 38%, 100%
XYZ	82.8182, 94.9163, 45.7085
YIQ	243.8280, 31.4580, -30.4780

Conversions

Conversions Part 2

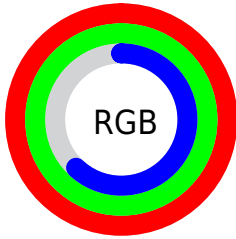
Format	Color
RYB	157, 255, 157
Decimal	16777117
CIELab	98.00, -13.81, 46.80
CIELCh	98, 48.795, 106.446
Yxy	94.9163, 0.3706, 0.4248
Android (android.graphics.Color)	4294967197 (0xFFFFFFFF9D)
YUV	243.8280, -42.8062, 9.7978
Hunter-Lab	97.4250, -18.7560, 40.3806

Details

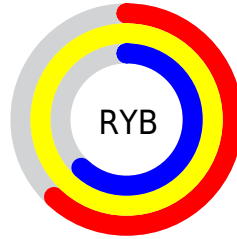
The CIELCh color **98, 48.795, 106.446** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **68, 53.925, 295.355**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 21.222, 108.570**, and **78, 48.546, 106.180** is the 20% darker color. If you saturate the color by 10%, you get **98, 60.634, 105.539**, and if you desaturate by 10%, it is **98, 36.433, 107.405**.

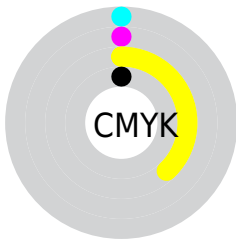
Distribution



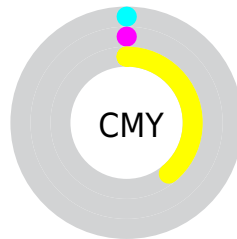
- Red (100%)
- Green (100%)
- Blue (62%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 48.795, 106.446 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, 48.795, 106.446 by changing the saturation by 10% instead.

 98, 48.795,
106.446

 98, 48.795,
106.446

 100, 48.795,
106.446

 88, 48.795,
106.446

 78, 48.795,
106.446

 68, 48.795,
106.446

 58, 48.795,
106.446

 48, 48.795,
106.446

 38, 48.795,
106.446

 28, 48.795,

106.446

■ 18, 48.795,
106.446

■ 8, 48.795, 106.446

■ 98, 48.795,
106.446

■ 98, 48.795,
106.446

■ 98, 60.634,
105.539

■ 98, 36.433,
107.405

■ 97, 71.611,
104.706

■ 99, 23.763,
108.381

■ 97, 81.244,
103.987

■ 99, 10.929,
109.356

■ 97, 88.923,
103.425

■ 100, 0.183,
290.676

■ 97, 94.071,
103.056

100, 0.183,
291.100

■ 97, 96.548,
102.880

100, 0.183,
291.524

■ 97, 96.813,
102.862

100, 0.183,
291.947

100, 0.184,
292.370

100, 0.184,
292.793

Harmonies

Complementary

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



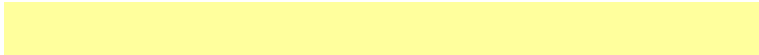
98, 48.795, 106.446



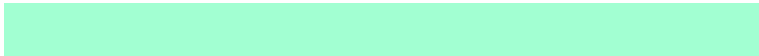
68, 53.925, 295.355

Rectangle

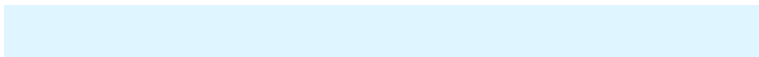
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 48.795, 106.446



98, 48.795, 156.446



98, 48.795, 286.446



98, 48.795, 336.446

Sweetspot

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



98, 48.797, 106.449



99, 15.481, 109.014



75, 39.674, 23.133



53, 10.265, 108.886



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

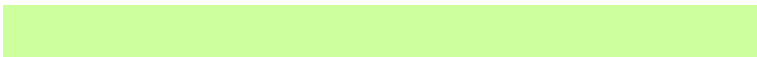
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 48.797, 106.449



98, 57.830, 105.758



95, 52.556, 127.246



53, 7.338, 109.257



75, 78.056, 102.861



26, 35.525, 103.002

Inverse Universe

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



68, 53.925, 295.355



62, 65.594, 296.780



72, 55.576, 311.011



49, 7.504, 291.179



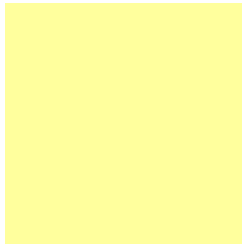
23, 107.780, 306.288



3, 44.127, 301.761

Previews

White Background



This preview shows how the CIE LCh color 98, 48.795, 106.446 looks on a white background.

Color Contrast Check

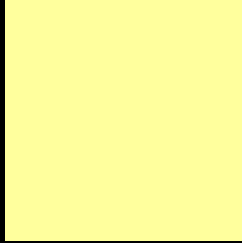
Large Text (above 18pt) WCAG AA × Fail

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, 48.795, 106.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

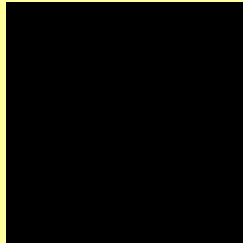
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 48.795, 106.446

Background



This preview shows how black text looks on a background with the CIELCh color 98, 48.795, 106.446.



This preview shows how white text looks on a background with the CIELCh color 98, 48.795, 106.446.

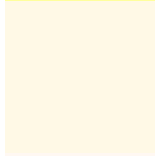
Color Blindness Simulation

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](#).

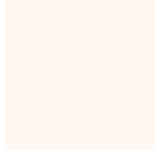
Dichromacy



Original Color
98, 48.795, 106.446



Protanopia
98, 9.885, 96.715



Deuteranopia
98, 3.919, 70.425

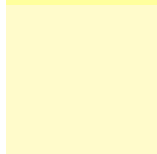


Tritanopia
98, 4.180, 332.450

Trichromacy



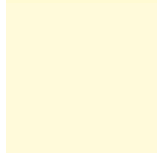
Original Color
98, 48.795, 106.446



Protanomaly
98, 24.341, 104.766



Deuteranomaly
98, 19.861, 103.275

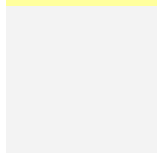


Tritanomaly
98, 16.337, 102.447

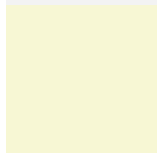
Monochromacy



Original Color
98, 48.795, 106.446



Achromatopsia
96, 0.011, 296.813



Achromatomaly
96, 17.804, 108.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 48.795, 106.446 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, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 157)  
}
```

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, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 48.795, 106.446 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, 255, 157) }
```

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

```
.border{ border-color:rgb(255, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 48.795, 106.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 157) }
```

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

```
.background{ background-color: rgb(255,  
255, 157) }
```

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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