

Converting Colors

CIELCh(99, 46.262, 99.720)

Have a look what the booklet for
CIELCh(99, 46.262, 99.720) contains.

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Color

CIElCh(98, 45.949, 106.164)

Conversions

Conversions Part 1

Format	Color
Hex	FFFEA2
RGB	255, 254, 162
RGB Percent	100%, 100%, 64%
CMY	0.0000, 0.0032, 0.3640
CMYK	0.00, 0.00, 0.36, 0.00
HSL	59°, 100%, 82%
HSV	59°, 36%, 100%
XYZ	83.3514, 94.9163, 48.1935
YIQ	243.8110, 30.1280, -28.4000

Conversions

Conversions Part 2

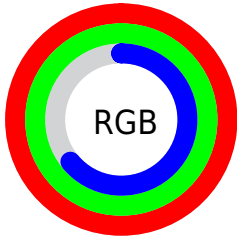
Format	Color
R _Y B	163, 255, 162
Decimal	16776866
CIE Lab	98.00, -12.79, 44.13
CIE LCh	98, 45.949, 106.164
Yxy	94.9163, 0.3681, 0.4191
Android (android.graphics.Color)	4294966946 (0xFFFFFEA2)
YUV	243.8110, -40.3328, 9.8128
Hunter-Lab	97.4250, -17.7790, 38.8683

Details

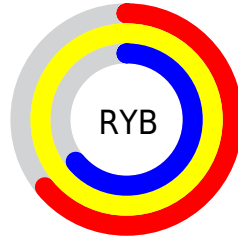
The CIELCh color **98, 45.949, 106.164** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 50.364, 294.665**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.707, 108.762**, and **78, 45.678, 105.932** is the 20% darker color. If you saturate the color by 10%, you get **98, 57.858, 105.328**, and if you desaturate by 10%, it is **98, 33.582, 107.235**.

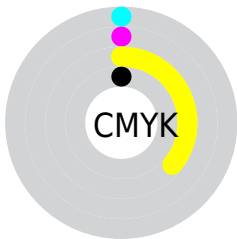
Distribution



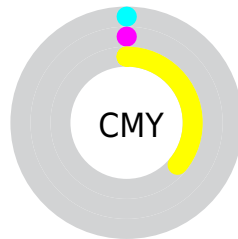
- Red (100%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 45.949, 106.164 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, 45.949, 106.164 by changing the saturation by 10% instead.

 98, 45.949,
106.164


 98, 45.949,
106.164


 100, 45.949,
106.164


 88, 45.949,
106.164

 78, 45.949,
106.164

 68, 45.949,
106.164

 58, 45.949,
106.164

 48, 45.949,
106.164

 38, 45.949,
106.164

 28, 45.949,

106.164

■ 18, 45.949,
106.164

■ 8, 45.949, 106.164

■ 98, 45.949,
106.164

■ 98, 45.949,
106.164

■ 98, 57.858,
105.328

■ 98, 33.582,
107.235

■ 97, 69.001,
104.458

■ 99, 20.953,
108.222

■ 97, 78.929,
103.690

■ 100, 8.189,
109.201

■ 97, 87.048,
103.064

■ 100, 0.012,
296.813

■ 97, 92.739,
102.616

■ 97, 95.667,
102.360

■ 97, 96.274,
102.299

Harmonies

Complementary

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



98, 45.949, 106.164



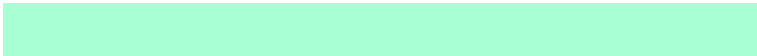
70, 50.364, 294.665

Rectangle

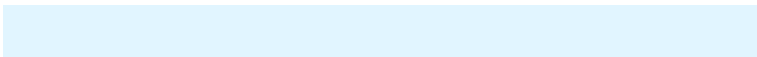
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 45.949, 106.164



98, 45.949, 156.164



98, 45.949, 286.164



98, 45.949, 336.164

Sweetspot

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



98, 45.950, 106.263



99, 14.073, 108.753



76, 37.169, 21.576



53, 9.453, 108.620



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

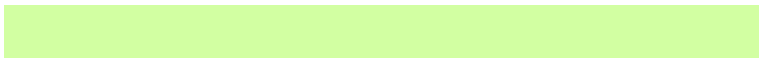
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 45.950, 106.263



98, 55.057, 105.547



95, 49.632, 126.746



53, 7.275, 108.900



75, 77.552, 102.308



26, 35.286, 102.524

Inverse Universe

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



70, 50.364, 294.665



64, 61.887, 296.072



74, 52.419, 310.356



49, 7.437, 290.836



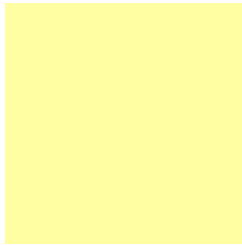
23, 107.388, 306.187



3, 43.853, 301.618

Previews

White Background



This preview shows how the CIELCh color 98, 45.949, 106.164 looks on a white background.

Color Contrast Check

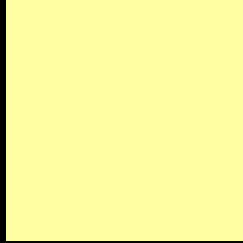
Large Text (above 18pt) WCAG AA × Fail

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, 45.949, 106.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

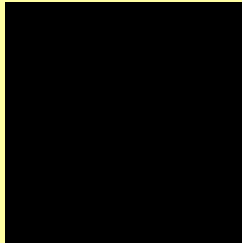
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 45.949, 106.164

Background



This preview shows how black text looks on a background with the CIELCh color 98, 45.949, 106.164.

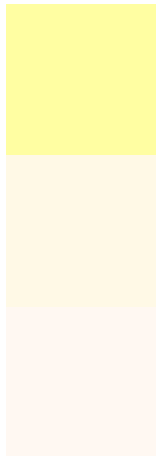


This preview shows how white text looks on a background with the CIELCh color 98, 45.949, 106.164.

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, 45.949, 106.164

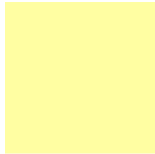
Protanopia
98, 9.885, 96.715

Deuteranopia
98, 3.919, 70.425



Tritanopia
98, 4.180, 332.450

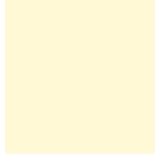
Trichromacy



Original Color
98, 45.949, 106.164



Protanomaly
98, 23.337, 104.701



Deuteranomaly
98, 18.855, 103.081

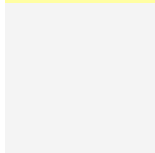


Tritanomaly
98, 15.330, 102.116

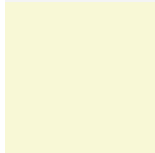
Monochromacy



Original Color
98, 45.949, 106.164



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 17.285, 108.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 45.949, 106.164 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 45.949, 106.164 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, 162) }
```

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

```
.border{ border-color:rgb(255, 254, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 45.949, 106.164 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, 162) }
```

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

```
.background{ background-color: rgb(255,  
254, 162) }
```

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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