

Converting Colors

CIELCh(100, 57.185, 93.643)

Have a look what the booklet for
CIELCh(100, 57.185, 93.643)
contains.

CIELCh(98, 55.880, 105.477)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(98, 55.880, 105.477)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF8E
RGB	255, 255, 142
RGB Percent	100%, 100%, 56%
CMY	0.0000, 0.0000, 0.4434
CMYK	0.00, 0.00, 0.44, 0.00
HSL	60°, 100%, 78%
HSV	60°, 44%, 100%
XYZ	82.2486, 94.9163, 39.5480
YIQ	242.1180, 36.2730, -35.1430

Conversions

Conversions Part 2

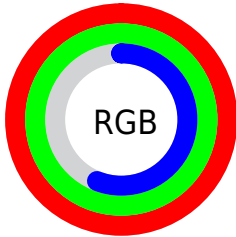
Format	Color
R _Y B	142, 255, 142
Decimal	16777102
CIE Lab	98.00, -14.91, 53.85
CIE LCh	98, 55.880, 105.477
Yxy	94.9163, 0.3795, 0.4380
Android (android.graphics.Color)	4294967182 (0xFFFFFFFF8E)
YUV	242.1180, -49.3582, 11.2975
Hunter-Lab	97.4250, -19.7995, 44.1297

Details

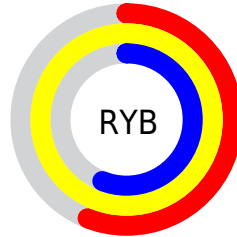
The CIELCh color **98, 55.880, 105.477** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **64, 63.002, 296.447**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 28.732, 107.994**, and **78, 55.518, 105.921** is the 20% darker color. If you saturate the color by 10%, you get **98, 67.273, 105.028**, and if you desaturate by 10%, it is **98, 43.778, 106.831**.

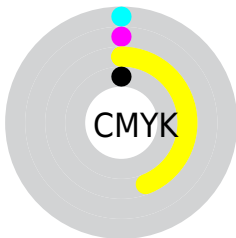
Distribution



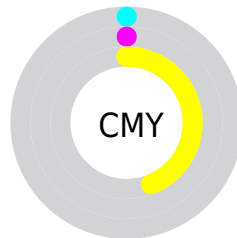
- Red (100%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 55.880, 105.477 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, 55.880, 105.477 by changing the saturation by 10% instead.


 98, 55.880,
105.477


 98, 55.880,
105.477


 100, 55.880,
105.477


 88, 55.880,
105.477

 78, 55.880,
105.477

 68, 55.880,
105.477

 58, 55.880,
105.477

 48, 55.880,
105.477

 38, 55.880,
105.477

 28, 55.880,

105.477

■ 18, 55.880,
105.477

■ 8, 55.880, 105.477

■ 98, 55.880,
105.477

■ 98, 55.880,
105.477

■ 98, 67.273,
105.028

■ 98, 43.778,
106.831

■ 97, 77.540,
104.257

■ 99, 31.254,
107.798

■ 97, 86.113,
103.625

■ 99, 18.489,
108.777

■ 97, 92.368,
103.172

■ 100, 5.602,
109.743

■ 97, 95.893,
102.920

100, 0.012,
296.813

■ 97, 96.906,
102.848

Harmonies

Complementary

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



98, 55.880, 105.477



64, 63.002, 296.447

Rectangle

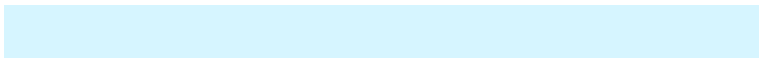
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 55.880, 105.477



98, 55.880, 155.477



98, 55.880, 285.477



98, 55.880, 335.477

Sweetspot

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



98, 55.879, 105.898



99, 16.766, 108.908



71, 46.441, 22.918



53, 11.725, 108.692



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

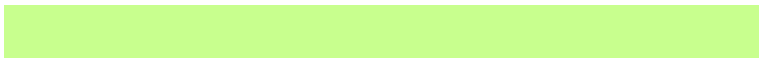
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 55.879, 105.898



98, 65.799, 105.140



94, 60.049, 126.377



53, 7.337, 109.248



75, 78.052, 102.848



26, 35.523, 102.990

Inverse Universe

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



64, 63.002, 296.447



57, 76.661, 298.220



68, 64.292, 310.809



49, 7.503, 291.171



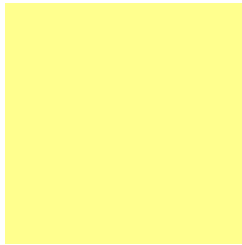
23, 107.779, 306.287



3, 44.125, 301.757

Previews

White Background



This preview shows how the CIE LCh color 98, 55.880, 105.477 looks on a white background.

Color Contrast Check

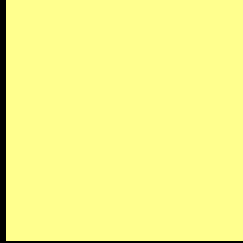
Large Text (above 18pt) WCAG AA × Fail

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, 55.880, 105.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

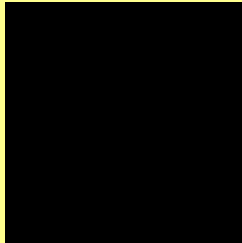
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 55.880, 105.477

Background



This preview shows how black text looks on a background with the CIELCh color 98, 55.880, 105.477.



This preview shows how white text looks on a background with the CIELCh color 98, 55.880, 105.477.

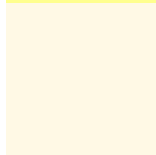
Color Blindness Simulation

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](#).

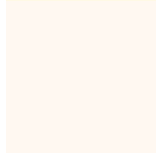
Dichromacy




Original Color
98, 55.849, 105.903



Protanopia
98, 10.382, 97.276

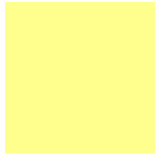


Deuteranopia
98, 4.327, 74.647



Tritanopia
98, 3.820, 337.601

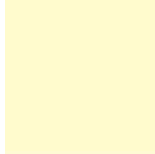
Trichromacy



Original Color
98, 55.849, 105.903



Protanomaly
98, 27.348, 104.898



Deuteranomaly
98, 23.337, 104.701

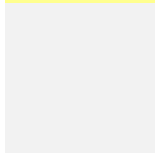


Tritanomaly
98, 19.358, 103.182

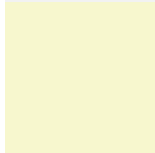
Monochromacy



Original Color
98, 55.849, 105.903



Achromatopsia
95, 0.011, 296.813



Achromatomaly
96, 20.841, 108.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 55.880, 105.477 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 55.880, 105.477 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, 142) }
```

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

```
.border{ border-color:rgb(255, 255, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 55.880, 105.477 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, 142) }
```

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

```
.background{ background-color: rgb(255,  
255, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor