

Converting Colors

CIELCh(100, 16.284, 55.879)

Have a look what the booklet for
CIELCh(100, 16.284, 55.879)
contains.

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Color

CIELCh(98, 9.977, 94.663)

Conversions

Conversions Part 1

Format	Color
Hex	FFF9E6
RGB	255, 249, 230
RGB Percent	100%, 98%, 90%
CMY	0.0000, 0.0235, 0.0981
CMYK	0.00, 0.02, 0.10, 0.00
HSL	46°, 100%, 95%
HSV	46°, 10%, 100%
XYZ	89.7691, 94.9163, 88.4421
YIQ	248.6280, 9.6750, -4.6370

Conversions

Conversions Part 2

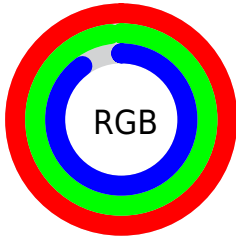
Format	Color
R _Y B	238, 255, 230
Decimal	16775654
CIE Lab	98.00, -0.81, 9.94
CIE LCh	98, 9.977, 94.663
Yxy	94.9163, 0.3287, 0.3475
Android (android.graphics.Color)	4294965734 (0xFFFFF9E6)
YUV	248.6280, -9.1836, 5.5882
Hunter-Lab	97.4250, -6.0207, 14.3742

Details

The CIELCh color **98, 9.977, 94.663** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 9.980, 279.165**, and the grayscale version is **98, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **78, 9.774, 97.991** is the 20% darker color. If you saturate the color by 10%, you get **96, 20.099, 95.531**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

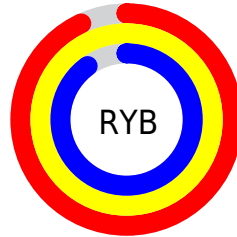
Distribution



Red (100%)

Green (98%)

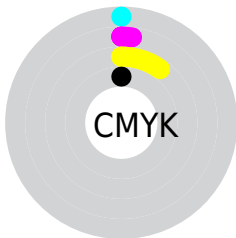
Blue (90%)



Red (93%)

Yellow (100%)

Blue (90%)

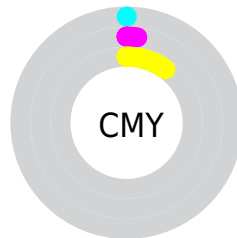


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 9.977, 94.663 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, 9.977, 94.663 by changing the saturation by 10% instead.

 98, 9.977, 94.663	 98, 9.977, 94.663
 100, 9.977, 94.663	 88, 9.977, 94.663
	 78, 9.977, 94.663
	 68, 9.977, 94.663
	 58, 9.977, 94.663
	 48, 9.977, 94.663
	 38, 9.977, 94.663
	 28, 9.977, 94.663
	 18, 9.977, 94.663
	 8, 9.977, 94.663

98, 9.977, 94.663

98, 9.977, 94.663

96, 20.099, 95.531

100, 0.012,
296.813

94, 30.377, 94.278

92, 40.651, 92.991

90, 50.779, 91.676

88, 60.506, 90.331

87, 69.397, 88.941

85, 76.768, 87.470

83, 81.751, 85.839

82, 83.955, 83.966

Harmonies

Complementary

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



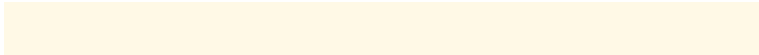
98, 9.977, 94.663



93, 9.980, 279.165

Rectangle

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



98, 9.977, 94.663



98, 9.977, 144.663



98, 9.977, 274.663



98, 9.977, 324.663

Sweetspot

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



98, 9.893, 96.741



99, 3.006, 97.499



93, 9.558, 0.404



53, 2.282, 97.420



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, 9.893, 96.741



97, 12.122, 96.481



99, 12.887, 119.299



52, 5.733, 96.777



63, 67.742, 84.308



21, 29.651, 86.690

Inverse Universe

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



93, 9.980, 279.165



92, 12.242, 279.461



92, 13.155, 300.553



50, 5.783, 279.125



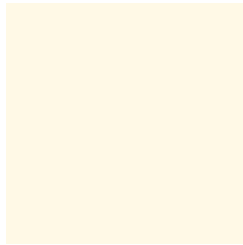
29, 90.224, 301.092



6, 36.094, 296.289

Previews

White Background



This preview shows how the CIE LCh color 98, 9.977, 94.663 looks on a white background.

Color Contrast Check

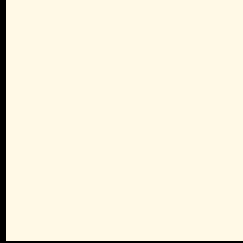
Large Text (above 18pt) WCAG AA × Fail

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, 9.977, 94.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

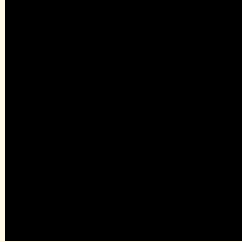
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 9.977, 94.663

Background



This preview shows how black text looks on a background with the CIELCh color 98, 9.977, 94.663.

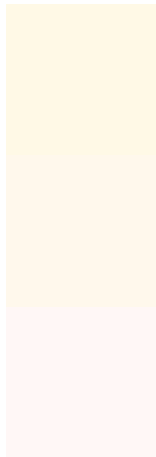


This preview shows how white text looks on a background with the CIELCh color 98, 9.977, 94.663.

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, 9.885, 96.715

Protanopia

98, 6.582, 87.227

Deuteranopia

98, 2.870, 29.570

Tritanopia
98, 4.619, 317.378

Trichromacy



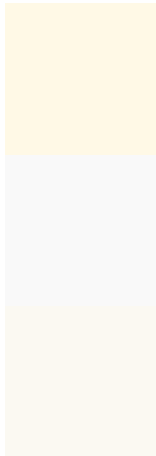
Original Color
98, 9.885, 96.715

Protanomaly
98, 7.536, 90.058

Deuteranomaly
98, 4.754, 78.119

Tritanomaly
98, 2.340, 45.008

Monochromacy



Original Color
98, 9.885, 96.715

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 3.617, 98.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 9.977, 94.663 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, 249, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 230)  
}
```

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, 249, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 9.977, 94.663 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, 249, 230) }
```

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

```
.border{ border-color:rgb(255, 249, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 9.977, 94.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 230) }
```

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

```
.background{ background-color: rgb(255,  
249, 230) }
```

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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