

Converting Colors

CIELCh(100, 39.922, 70.349)

Have a look what the booklet for
CIELCh(100, 39.922, 70.349)
contains.

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Color

CIELCh(96, 31.750, 99.987)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5B7
RGB	255, 245, 183
RGB Percent	100%, 96%, 72%
CMY	0.0000, 0.0400, 0.2833
CMYK	0.00, 0.04, 0.28, 0.00
HSL	52°, 100%, 86%
HSV	52°, 28%, 100%
XYZ	82.6557, 90.0078, 57.6878
YIQ	240.9220, 25.8620, -17.1620

Conversions

Conversions Part 2

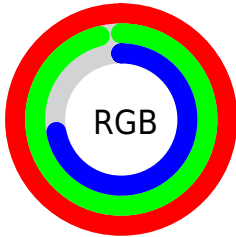
Format	Color
R_{YB}	195, 255, 183
Decimal	16774583
CIE _{Lab}	96.00, -5.51, 31.27
CIE _{LCh}	96, 31.750, 99.987
Yxy	90.0078, 0.3588, 0.3907
Android (android.graphics.Color)	4294964663 (0xFFFFF5B7)
YUV	240.9220, -28.5555, 12.3464
Hunter-Lab	94.8724, -10.5123, 30.3590

Details

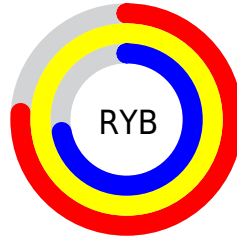
The CIELCh color **96, 31.750, 99.987** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **79, 33.199, 287.556**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 8.099, 109.562**, and **76, 31.527, 100.422** is the 20% darker color. If you saturate the color by 10%, you get **95, 42.776, 99.412**, and if you desaturate by 10%, it is **97, 20.519, 101.696**.

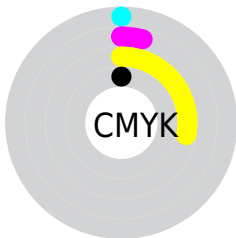
Distribution



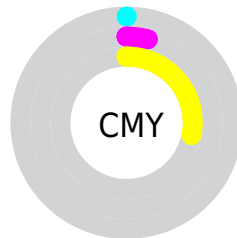
- Red (100%)
- Green (96%)
- Blue (72%)



- Red (76%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (4%)
- Yellow (28%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 31.750, 99.987 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 96, 31.750, 99.987 by changing the saturation by 10% instead.

96, 31.750, 99.987

96, 31.750, 99.987

100, 31.750,
99.987

86, 31.750, 99.987

76, 31.750, 99.987

66, 31.750, 99.987

56, 31.750, 99.987

46, 31.750, 99.987

36, 31.750, 99.987

26, 31.750, 99.987

16, 31.750, 99.987

6, 31.750, 99.987

96, 31.750, 99.987

96, 31.750, 99.987

95, 42.776, 99.412

97, 20.519,
101.696

93, 53.549, 98.262

99, 9.304, 102.802

92, 63.750, 97.124

100, 0.012,
296.813

91, 72.927, 96.008

90, 80.431, 94.920

89, 85.499, 93.847

88, 87.706, 92.757

88, 87.937, 92.574

Harmonies

Complementary

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



96, 31.750, 99.987



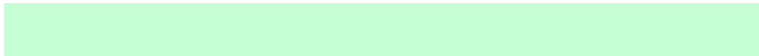
79, 33.199, 287.556

Rectangle

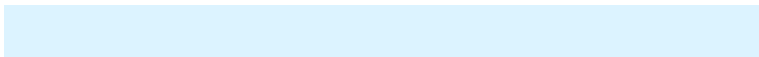
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 31.750, 99.987



96, 31.750, 149.987



96, 31.750, 279.987



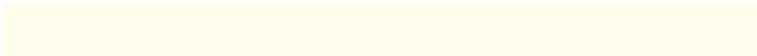
96, 31.750, 329.987

Sweetspot

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



96, 31.709, 100.561



99, 8.938, 102.837



81, 28.095, 10.196



53, 6.355, 102.674



0, 0.000, 0.000



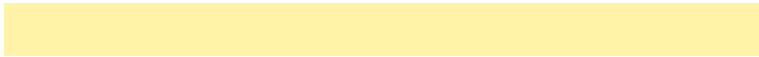
53, 0.007, 296.813

Same Dimension

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



96, 31.709, 100.561



95, 38.011, 99.910



97, 37.646, 122.123



53, 6.355, 102.674



68, 70.928, 92.772



23, 31.824, 94.267

Inverse Universe

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



79, 33.199, 287.556



75, 40.259, 288.553



79, 39.703, 305.423



49, 6.454, 284.834



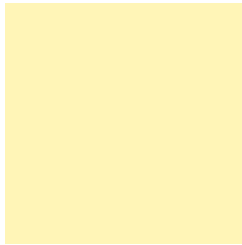
25, 99.878, 304.147



5, 39.636, 299.089

Previews

White Background



This preview shows how the CIE LCh color 96, 31.750, 99.987 looks on a white background.

Color Contrast Check

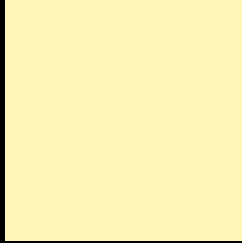
Large Text (above 18pt) WCAG AA × Fail

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 96, 31.750, 99.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

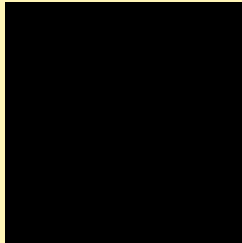
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 31.750, 99.987

Background



This preview shows how black text looks on a background with the CIELCh color 96, 31.750, 99.987.

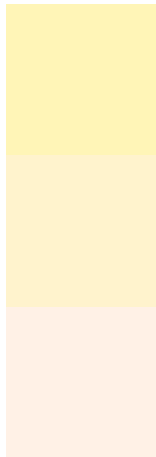


This preview shows how white text looks on a background with the CIELCh color 96, 31.750, 99.987.

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

96, 31.675, 100.697

Protanopia

96, 19.886, 95.529

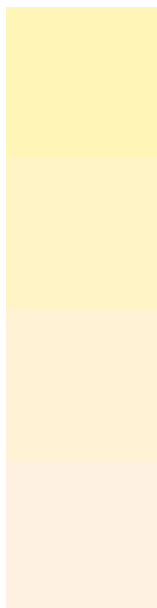
Deuteranopia

96, 7.557, 67.484



Tritanopia
96, 7.657, 337.891

Trichromacy



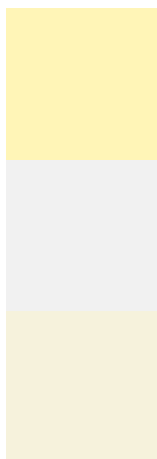
Original Color
96, 31.675, 100.697

Protanomaly
96, 24.275, 98.379

Deuteranomaly
96, 15.567, 90.901

Tritanomaly
96, 9.631, 77.413

Monochromacy



Original Color
96, 31.675, 100.697

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 11.328, 101.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 31.750, 99.987 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, 245, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 183)  
}
```

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, 245, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 31.750, 99.987 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, 245, 183) }
```

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

```
.border{ border-color:rgb(255, 245, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 31.750, 99.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 183) }
```

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

```
.background{ background-color: rgb(255,  
245, 183) }
```

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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