

Converting Colors

CIELCh(96, 50.067, 104.807)

Have a look what the booklet for
CIELCh(96, 50.067, 104.807)
contains.

CIELCh(96, 49.965, 104.900)	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(96, 49.965, 104.900)

Conversions

Conversions Part 1

Format	Color
Hex	FBF894
RGB	251, 248, 148
RGB Percent	98%, 97%, 58%
CMY	0.0146, 0.0264, 0.4186
CMYK	0.00, 0.01, 0.41, 0.01
HSL	58°, 93%, 78%
HSV	58°, 41%, 99%
XYZ	78.8997, 90.0078, 41.3373
YIQ	237.4970, 33.8880, -30.4640

Conversions

Conversions Part 2

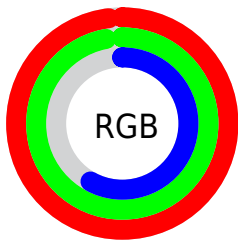
Format	Color
RYB	151, 251, 148
Decimal	16513172
CIELab	96.00, -12.85, 48.28
CIELCh	96, 49.965, 104.900
Yxy	90.0078, 0.3753, 0.4281
Android (android.graphics.Color)	4294703252 (0xFFFBF894)
YUV	237.4970, -44.1220, 11.8421
Hunter-Lab	94.8724, -17.5791, 40.5772

Details

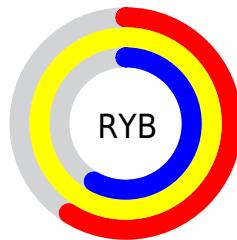
The CIELCh color **96, 49.965, 104.900** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **66, 55.348, 294.727**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 26.235, 108.186**, and **76, 50.140, 104.939** is the 20% darker color. If you saturate the color by 10%, you get **96, 61.278, 103.959**, and if you desaturate by 10%, it is **97, 38.113, 105.889**.

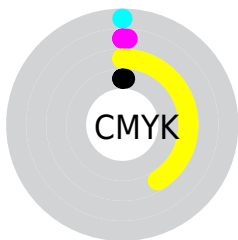
Distribution



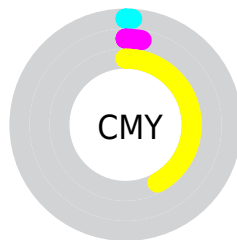
- Red (98%)
- Green (97%)
- Blue (58%)



- Red (59%)
- Yellow (98%)
- Blue (58%)



- Cyan (0%)
- Magenta (1%)
- Yellow (41%)
- Black (1%)





- Cyan (1%)
- Magenta (3%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 49.965, 104.900 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, 49.965, 104.900 by changing the saturation by 10% instead.

 96, 49.965,
104.900

 96, 49.965,
104.900

 100, 49.965,
104.900

 86, 49.965,
104.900

 76, 49.965,
104.900

 66, 49.965,
104.900

 56, 49.965,
104.900

 46, 49.965,
104.900

 36, 49.965,
104.900

 26, 49.965,

104.900

■ 16, 49.965,
104.900

■ 6, 49.965, 104.900

■ 96, 49.965,
104.900

■ 96, 49.965,
104.900

■ 96, 61.278,
103.959

■ 97, 38.113,
105.889

■ 95, 71.690,
103.086

■ 97, 25.950,
106.894

■ 95, 80.691,
102.320

■ 98, 13.624,
107.898

■ 94, 87.644,
101.695

■ 99, 1.228, 108.825

■ 99, 1.582, 282.019

■ 94, 91.986,
101.236

■ 99, 1.283, 268.193

■ 99, 1.097, 248.051

■ 94, 93.757,
100.952

■ 100, 1.084,
223.998

■ 100, 1.248,
203.001

Harmonies

Complementary

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



96, 49.965, 104.900



66, 55.348, 294.727

Rectangle

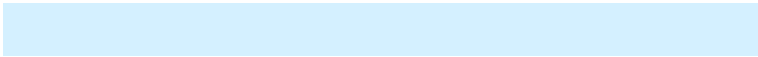
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 49.965, 104.900



96, 49.965, 154.900



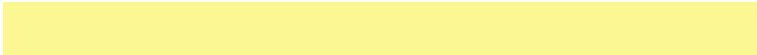
96, 49.965, 284.900



96, 49.965, 334.900

Sweetspot

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



96, 49.966, 104.903



99, 15.041, 107.797



72, 41.835, 21.079



53, 9.975, 107.666



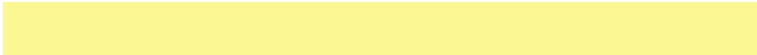
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

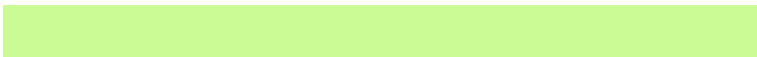
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 49.966, 104.903



97, 59.780, 104.140



93, 54.810, 125.923



52, 7.011, 108.047



73, 75.631, 100.985



24, 33.581, 101.474

Inverse Universe

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



66, 55.348, 294.727



61, 68.088, 296.335



69, 58.485, 310.087



48, 7.160, 290.010



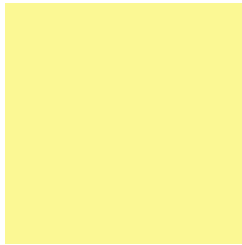
23, 105.390, 305.946



3, 41.167, 300.347

Previews

White Background



This preview shows how the CIE LCh color 96, 49.965, 104.900 looks on a white background.

Color Contrast Check

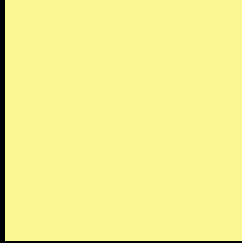
Large Text (above 18pt) WCAG AA × Fail

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, 49.965, 104.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

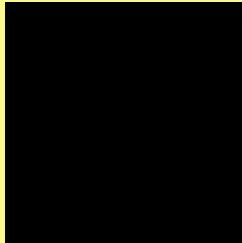
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 49.965, 104.900

Background



This preview shows how black text looks on a background with the CIELCh color 96, 49.965, 104.900.

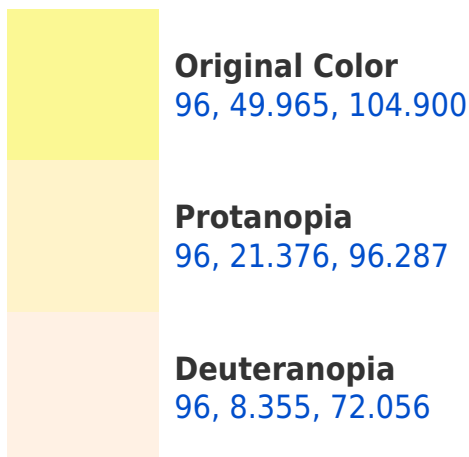


This preview shows how white text looks on a background with the CIELCh color 96, 49.965, 104.900.

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



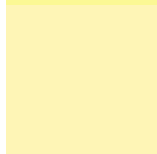


Tritanopia
96, 8.008, 335.179

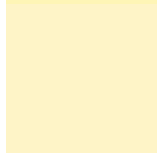
Trichromacy



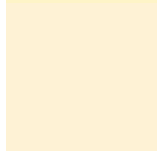
Original Color
96, 49.965, 104.900



Protanomaly
96, 32.127, 101.447



Deuteranomaly
96, 23.211, 98.983

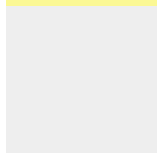


Tritanomaly
96, 15.454, 92.223

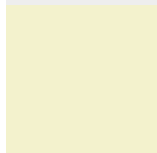
Monochromacy



Original Color
96, 49.965, 104.900



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 18.889, 107.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 49.965, 104.900 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(251, 248, 148)` looks like.

```
.text, #text, p{  
    color:rgb(251, 248, 148)  
}
```

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(251, 248, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 248, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 49.965, 104.900 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(251, 248, 148) }
```

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

```
.border{ border-color:rgb(251, 248, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 248, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 248, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 248, 148);  
box-shadow:4px 4px 4px 4px rgb(251, 248,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 49.965, 104.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 248, 148) }
```

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

```
.background{ background-color: rgb(251,  
248, 148) }
```

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