

Converting Colors

CIELCh(100, 28.085, 70.467)

Have a look what the booklet for
CIELCh(100, 28.085, 70.467)
contains.

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Color

CIElCh(97, 22.045, 100.630)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7CC
RGB	255, 247, 204
RGB Percent	100%, 97%, 80%
CMY	0.0000, 0.0300, 0.1987
CMYK	0.00, 0.03, 0.20, 0.00
HSL	51°, 100%, 90%
HSV	51°, 20%, 100%
XYZ	85.6794, 92.4403, 70.6675
YIQ	244.4900, 18.5710, -11.6770

Conversions

Conversions Part 2

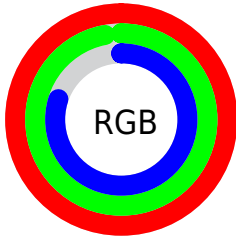
Format	Color
R_{YB}	213, 255, 204
Decimal	16775116
CIE _{Lab}	97.00, -4.07, 21.67
CIE _{LCh}	97, 22.045, 100.630
Yxy	92.4403, 0.3444, 0.3716
Android (android.graphics.Color)	4294965196 (0xFFFFF7CC)
YUV	244.4900, -19.9616, 9.2173
Hunter-Lab	96.1459, -9.1869, 23.7238

Details

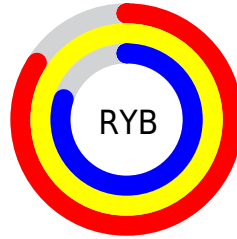
The CIELCh color **97, 22.045, 100.630** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **86, 22.688, 285.727**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 22.005, 100.807** is the 20% darker color. If you saturate the color by 10%, you get **96, 33.113, 99.834**, and if you desaturate by 10%, it is **98, 10.918, 102.106**.

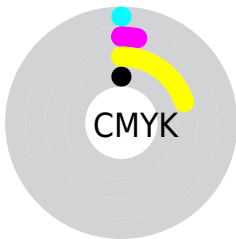
Distribution



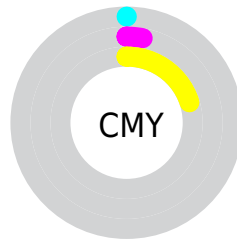
- Red (100%)
- Green (97%)
- Blue (80%)



- Red (84%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (3%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 97, 22.045, 100.630 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 97, 22.045, 100.630 by changing the saturation by 10% instead.


 97, 22.045,
100.630


 97, 22.045,
100.630

 100, 22.045,
100.630


 87, 22.045,
100.630

 77, 22.045,
100.630

 67, 22.045,
100.630

 57, 22.045,
100.630

 47, 22.045,
100.630

 37, 22.045,
100.630

 27, 22.045,

100.630

■ 17, 22.045,
100.630

■ 7, 22.045, 100.630

■ 97, 22.045,
100.630

■ 97, 22.045,
100.630

■ 96, 33.113, 99.834

■ 98, 10.918,
102.106

■ 94, 44.067, 98.670

100, 0.012,
296.813

■ 93, 54.710, 97.503

■ 92, 64.745, 96.346

■ 90, 73.695, 95.205

■ 89, 80.878, 94.081

■ 88, 85.527, 92.953

■ 87, 87.431, 91.784

■ 87, 87.450, 91.768

Harmonies

Complementary

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



97, 22.045, 100.630



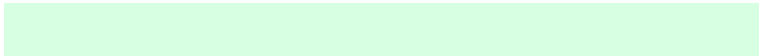
86, 22.688, 285.727

Rectangle

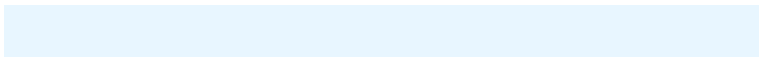
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 22.045, 100.630



97, 22.045, 150.630



97, 22.045, 280.630



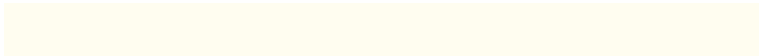
97, 22.045, 330.630

Sweetspot

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



97, 22.029, 100.984



99, 6.629, 102.525



87, 19.322, 7.806



53, 4.399, 102.455



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

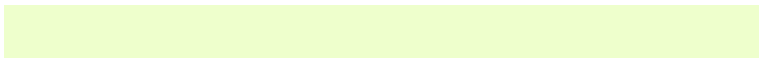
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 22.029, 100.984



96, 26.619, 100.511



98, 26.401, 121.949



53, 6.291, 102.145



67, 70.538, 91.983



23, 31.590, 93.575

Inverse Universe

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



86, 22.688, 285.727



83, 27.602, 286.357



85, 27.399, 304.252



49, 6.385, 284.323



26, 99.068, 303.911



5, 39.326, 298.871

Previews

White Background



This preview shows how the CIE LCh color 97, 22.045, 100.630 looks on a white background.

Color Contrast Check

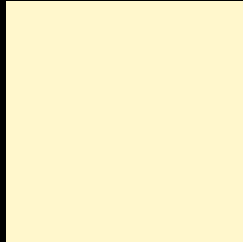
Large Text (above 18pt) WCAG AA × Fail

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 97, 22.045, 100.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

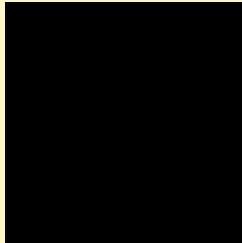
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 22.045, 100.630

Background



This preview shows how black text looks on a background with the CIELCh color 97, 22.045, 100.630.

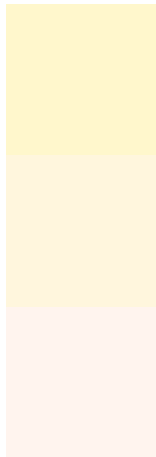


This preview shows how white text looks on a background with the CIELCh color 97, 22.045, 100.630.

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
97, 22.045, 100.630

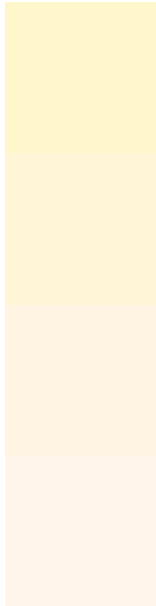
Protanopia
97, 13.139, 94.601

Deuteranopia
97, 4.969, 57.434



Tritanopia
97, 6.660, 329.623

Trichromacy



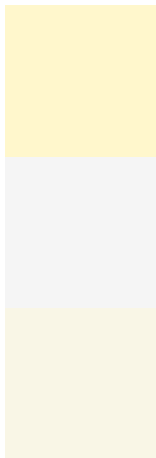
Original Color
97, 22.045, 100.630

Protanomaly
97, 16.117, 96.999

Deuteranomaly
97, 10.331, 88.730

Tritanomaly
97, 6.218, 74.387

Monochromacy



Original Color
97, 22.045, 100.630

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 8.215, 101.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 22.045, 100.630 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, 247, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 204)  
}
```

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, 247, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 22.045, 100.630 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, 247, 204) }
```

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

```
.border{ border-color:rgb(255, 247, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 22.045, 100.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 204) }
```

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

```
.background{ background-color: rgb(255,  
247, 204) }
```

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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