

Converting Colors

CIELCh(96, 21.934, 113.362)

Have a look what the booklet for
CIELCh(96, 21.934, 113.362)
contains.

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Color

CIELCh(96, 21.950, 113.356)

Conversions

Conversions Part 1

Format	Color
Hex	F2F7CC
RGB	242, 247, 204
RGB Percent	95%, 97%, 80%
CMY	0.0498, 0.0302, 0.1989
CMYK	0.02, 0.00, 0.17, 0.03
HSL	67°, 74%, 89%
HSV	67°, 17%, 97%
XYZ	81.0064, 90.0078, 70.4121
YIQ	240.6030, 10.8230, -14.4330

Conversions

Conversions Part 2

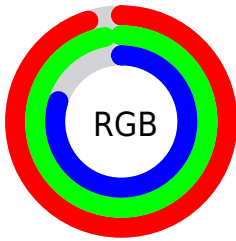
Format	Color
RYB	204, 247, 209
Decimal	15923148
CIELab	96.00, -8.70, 20.15
CIELCh	96, 21.950, 113.356
Yxy	90.0078, 0.3355, 0.3728
Android (android.graphics.Color)	4294113228 (0xFFFF2F7CC)
YUV	240.6030, -18.0453, 1.2252
Hunter-Lab	94.8724, -13.6154, 22.4071

Details

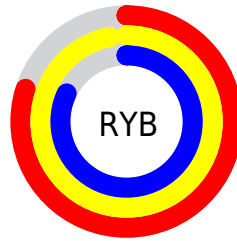
The CIELCh color **96, 21.950, 113.356** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 22.834, 296.308**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 21.941, 113.294** is the 20% darker color. If you saturate the color by 10%, you get **95, 34.405, 112.556**, and if you desaturate by 10%, it is **97, 9.350, 114.162**.

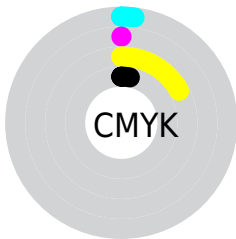
Distribution



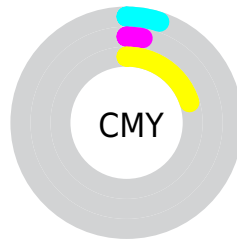
- Red (95%)
- Green (97%)
- Blue (80%)



- Red (80%)
- Yellow (97%)
- Blue (82%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)





- Cyan (5%)
- Magenta (3%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 21.950, 113.356 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, 21.950, 113.356 by changing the saturation by 10% instead.


 96, 21.950,
113.356


 96, 21.950,
113.356


 100, 21.950,
113.356


 86, 21.950,
113.356

 76, 21.950,
113.356

 66, 21.950,
113.356

 56, 21.950,
113.356

 46, 21.950,
113.356

 36, 21.950,
113.356

 26, 21.950,

113.356

■ 16, 21.950,
113.356

■ 6, 21.950, 113.356

■ 96, 21.950,
113.356

■ 96, 21.950,
113.356

■ 95, 34.405,
112.556

■ 97, 9.350, 114.162

■ 95, 46.579,
111.770

■ 98, 3.316, 294.957

■ 98, 4.151, 308.167

■ 94, 58.273,
111.032

■ 98, 4.567, 320.230

■ 94, 69.183,
110.384

■ 98, 4.791, 324.544

■ 93, 78.866,
109.882

■ 93, 86.749,
109.597

■ 93, 92.249,
109.603

■ 92, 95.112,
109.939

■ 92, 95.617,
110.057

Harmonies

Complementary

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



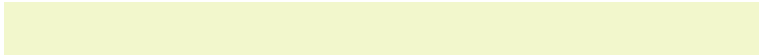
96, 21.950, 113.356



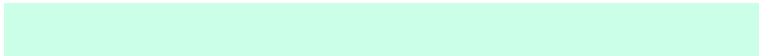
84, 22.834, 296.308

Rectangle

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



96, 21.950, 113.356



96, 21.950, 163.356



96, 21.950, 293.356



96, 21.950, 343.356

Sweetspot

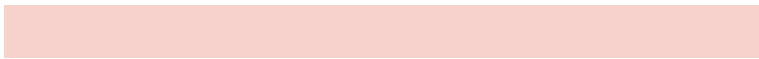
The Sweet Spot groups the original color and five complimentary colors.



96, 21.952, 113.361



100, 6.481, 114.350



87, 14.755, 29.120



53, 4.422, 114.294



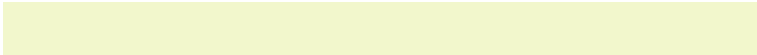
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

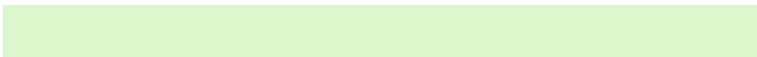
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 21.952, 113.361



98, 27.132, 113.067



95, 23.970, 131.724



51, 7.127, 113.996



72, 77.228, 109.935



23, 33.367, 109.552

Inverse Universe

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



84, 22.834, 296.308



83, 28.472, 296.691



85, 24.419, 313.230



47, 7.285, 295.547



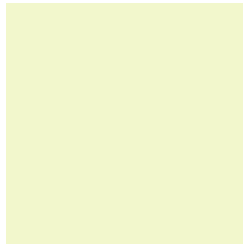
23, 104.945, 306.693



3, 40.254, 302.434

Previews

White Background



This preview shows how the CIE LCh color 96, 21.950, 113.356 looks on a white background.

Color Contrast Check

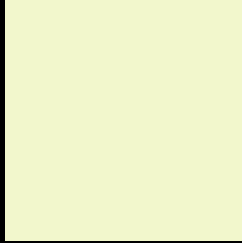
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 96, 21.950, 113.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

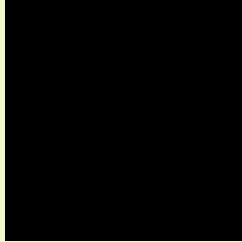
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

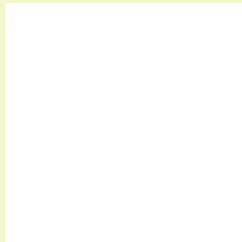
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 21.950, 113.356

Background



This preview shows how black text looks on a background with the CIELCh color 96, 21.950, 113.356.

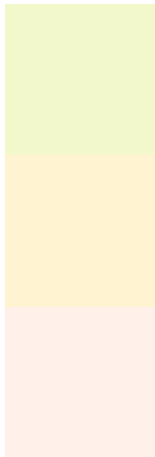


This preview shows how white text looks on a background with the CIELCh color 96, 21.950, 113.356.

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, 21.950, 113.356

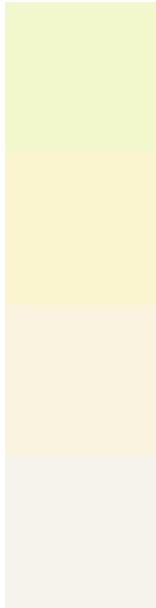
Protanopia
96, 17.904, 94.288

Deuteranopia
96, 6.483, 58.581



Tritanopia
96, 7.617, 309.293

Trichromacy



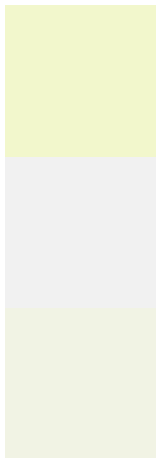
Original Color
96, 21.950, 113.356

Protanomaly
96, 19.431, 103.147

Deuteranomaly
96, 10.512, 95.290

Tritanomaly
96, 3.230, 90.586

Monochromacy



Original Color
96, 21.950, 113.356

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 7.705, 114.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 21.950, 113.356 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(242, 247, 204)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 247, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 21.950, 113.356 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(242, 247, 204) }
```

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

```
.border{ border-color:rgb(242, 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(242, 247, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 204);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 21.950, 113.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 204) }
```

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

```
.background{ background-color: rgb(242,  
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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