

Converting Colors

CIELCh(96, 37.689, 101.114)

Have a look what the booklet for
CIELCh(96, 37.689, 101.114)
contains.

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Color

CIElCh(96, 38.041, 101.888)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6AB
RGB	255, 246, 171
RGB Percent	100%, 96%, 67%
CMY	0.0005, 0.0358, 0.3299
CMYK	0.00, 0.04, 0.33, 0.00
HSL	54°, 100%, 83%
HSV	54°, 33%, 100%
XYZ	81.4509, 90.0078, 51.5499
YIQ	240.1410, 29.4390, -21.4170

Conversions

Conversions Part 2

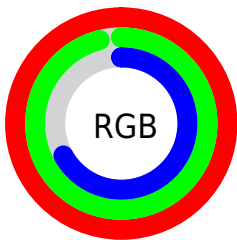
Format	Color
RYB	181, 255, 171
Decimal	16774827
CIELab	96.00, -7.84, 37.23
CIELCh	96, 38.041, 101.888
Yxy	90.0078, 0.3652, 0.4036
Android (android.graphics.Color)	4294964907 (0xFFFFF6AB)
YUV	240.1410, -34.0865, 13.0313
Hunter-Lab	94.8724, -12.7791, 34.1949

Details

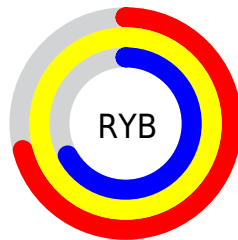
The CIELCh color **96, 38.041, 101.888** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75, 40.513, 289.989**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **76, 38.059, 102.145** is the 20% darker color. If you saturate the color by 10%, you get **95, 49.272, 100.794**, and if you desaturate by 10%, it is **97, 26.573, 102.991**.

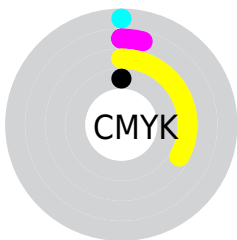
Distribution



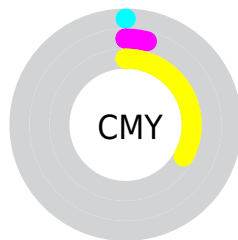
- Red (100%)
- Green (96%)
- Blue (67%)



- Red (71%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (4%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 38.041, 101.888 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, 38.041, 101.888 by changing the saturation by 10% instead.

 96, 38.041,
101.888

 96, 38.041,
101.888


 100, 38.041,
101.888


 86, 38.041,
101.888

 76, 38.041,
101.888

 66, 38.041,
101.888

 56, 38.041,
101.888

 46, 38.041,
101.888

 36, 38.041,
101.888

 26, 38.041,

101.888

■ 16, 38.041,
101.888

■ 6, 38.041, 101.888

■ 96, 38.041,
101.888

■ 96, 38.041,
101.888

■ 95, 49.272,
100.794

■ 97, 26.573,
102.991

■ 94, 60.032, 99.713

■ 98, 15.000,
104.077

■ 93, 69.958, 98.668

■ 100, 3.408,
105.113

■ 92, 78.501, 97.677

■ 91, 84.954, 96.753

100, 0.044,
214.562

■ 91, 88.667, 95.889

■ 90, 89.761, 95.301

Harmonies

Complementary

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



96, 38.041, 101.888



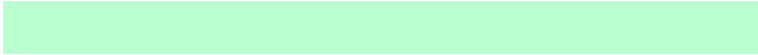
75, 40.513, 289.989

Rectangle

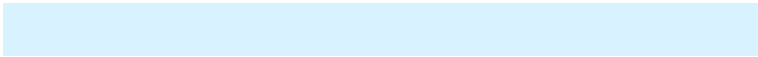
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 38.041, 101.888



96, 38.041, 151.888



96, 38.041, 281.888



96, 38.041, 331.888

Sweetspot

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



96, 38.043, 101.892



99, 11.581, 104.392



78, 32.986, 13.439



53, 7.903, 104.242



0, 0.000, 0.000



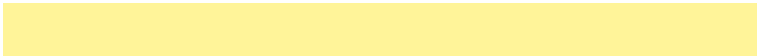
53, 0.007, 296.813

Same Dimension

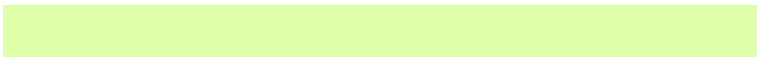
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 38.043, 101.892



95, 46.011, 101.117



96, 43.964, 123.172



53, 6.584, 104.444



70, 72.410, 95.442



24, 32.669, 96.594

Inverse Universe

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



75, 40.513, 289.989



70, 49.880, 291.304



75, 46.671, 306.866



49, 6.699, 286.541



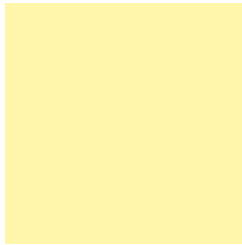
25, 102.417, 304.866



5, 40.723, 299.814

Previews

White Background



This preview shows how the CIE LCh color 96, 38.041, 101.888 looks on a white background.

Color Contrast Check

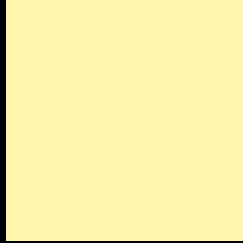
Large Text (above 18pt) WCAG AA × Fail

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, 38.041, 101.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

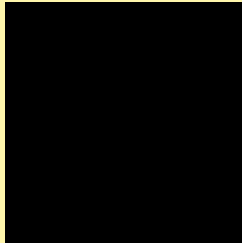
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 38.041, 101.888

Background



This preview shows how black text looks on a background with the CIELCh color 96, 38.041, 101.888.

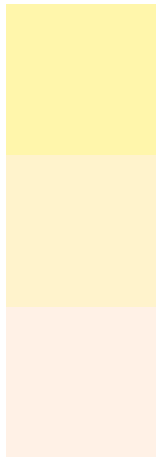


This preview shows how white text looks on a background with the CIELCh color 96, 38.041, 101.888.

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, 38.041, 101.888

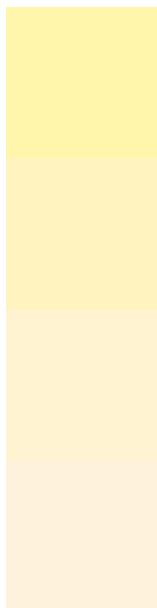
Protanopia
96, 20.382, 95.796

Deuteranopia
96, 7.557, 67.484



Tritanopia
96, 7.657, 337.891

Trichromacy



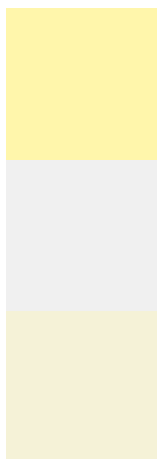
Original Color
96, 38.041, 101.888

Protanomaly
96, 26.770, 99.053

Deuteranomaly
96, 17.904, 94.288

Tritanomaly
96, 11.728, 85.266

Monochromacy



Original Color
96, 38.041, 101.888

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 13.832, 104.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 38.041, 101.888 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, 246, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 171)  
}
```

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, 246, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 38.041, 101.888 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, 246, 171) }
```

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

```
.border{ border-color:rgb(255, 246, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 38.041, 101.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 171) }
```

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

```
.background{ background-color: rgb(255,  
246, 171) }
```

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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