

Converting Colors

CIELCh(100, 42.971, 77.285)

Have a look what the booklet for
CIELCh(100, 42.971, 77.285)
contains.

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Color

CIElCh(96, 37.056, 101.837)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6AD
RGB	255, 246, 173
RGB Percent	100%, 96%, 68%
CMY	0.0009, 0.0361, 0.3224
CMYK	0.00, 0.04, 0.32, 0.00
HSL	53°, 99%, 84%
HSV	53°, 32%, 100%
XYZ	81.5720, 90.0078, 52.5052
YIQ	240.3690, 28.7970, -20.7950

Conversions

Conversions Part 2

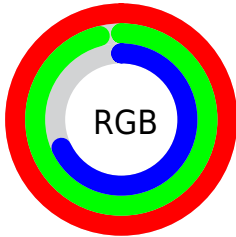
Format	Color
RYB	183, 255, 173
Decimal	16774829
CIELab	96.00, -7.60, 36.27
CIELCh	96, 37.056, 101.837
Yxy	90.0078, 0.3640, 0.4017
Android (android.graphics.Color)	4294964909 (0xFFFFF6AD)
YUV	240.3690, -33.2129, 12.8314
Hunter-Lab	94.8724, -12.5513, 33.5978

Details

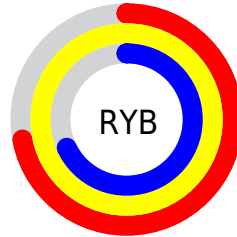
The CIELCh color **96, 37.056, 101.837** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76, 39.371, 289.733**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.158, 109.183**, and **76, 37.045, 102.133** is the 20% darker color. If you saturate the color by 10%, you get **95, 48.287, 100.738**, and if you desaturate by 10%, it is **97, 25.605, 102.943**.

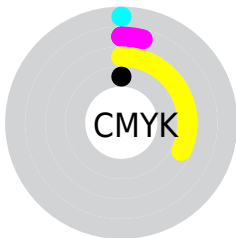
Distribution



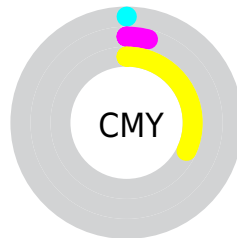
- Red (100%)
- Green (96%)
- Blue (68%)



- Red (72%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (4%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 37.056, 101.837 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, 37.056, 101.837 by changing the saturation by 10% instead.


 96, 37.056,
101.837


 96, 37.056,
101.837


 100, 37.056,
101.837


 86, 37.056,
101.837

 76, 37.056,
101.837

 66, 37.056,
101.837

 56, 37.056,
101.837

 46, 37.056,
101.837

 36, 37.056,
101.837

 26, 37.056,

101.837

■ 16, 37.056,
101.837

■ 6, 37.056, 101.837

■ 96, 37.056,
101.837

■ 96, 37.056,
101.837

■ 95, 48.287,
100.738

■ 97, 25.605,
102.943

■ 94, 59.074, 99.651

■ 98, 14.060,
104.029

■ 93, 69.068, 98.596

■ 100, 2.502,
105.052

■ 92, 77.735, 97.592

■ 100, 0.076,
208.102

■ 90, 88.313, 95.768

■ 90, 89.587, 95.099

Harmonies

Complementary

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



96, 37.056, 101.837



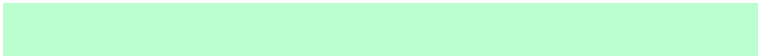
76, 39.371, 289.733

Rectangle

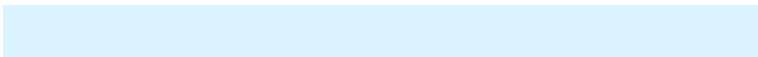
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 37.056, 101.837



96, 37.056, 151.837



96, 37.056, 281.837



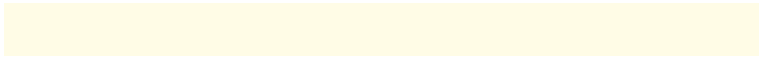
96, 37.056, 331.837

Sweetspot

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



96, 37.058, 101.841



99, 11.550, 104.262



79, 32.133, 13.320



53, 7.882, 104.112



0, 0.000, 0.000



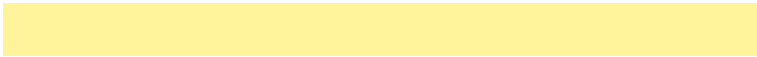
53, 0.007, 296.813

Same Dimension

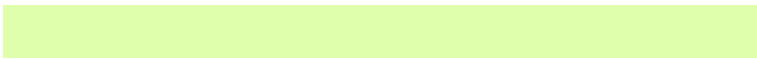
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 37.058, 101.841



95, 44.786, 101.088



96, 42.937, 123.213



53, 6.566, 104.314



69, 72.291, 95.245



24, 32.604, 96.423

Inverse Universe

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



76, 39.371, 289.733



71, 48.389, 290.991



76, 45.508, 306.812



49, 6.681, 286.416



25, 102.241, 304.817



5, 40.641, 299.761

Previews

White Background



This preview shows how the CIE LCh color 96, 37.056, 101.837 looks on a white background.

Color Contrast Check

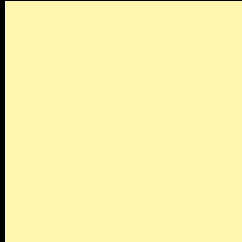
Large Text (above 18pt) WCAG AA × Fail

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, 37.056, 101.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

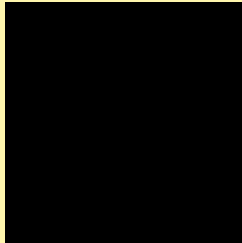
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 37.056, 101.837

Background



This preview shows how black text looks on a background with the CIELCh color 96, 37.056, 101.837.

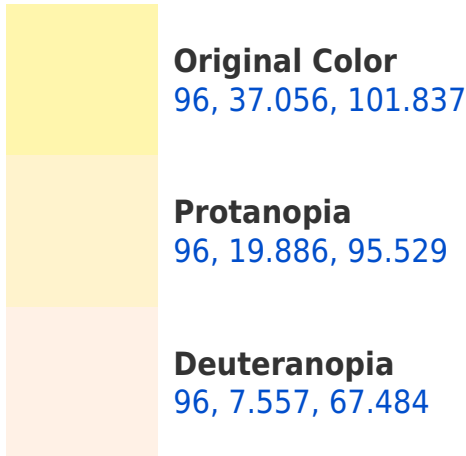



This preview shows how white text looks on a background with the CIELCh color 96, 37.056, 101.837.

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](#).

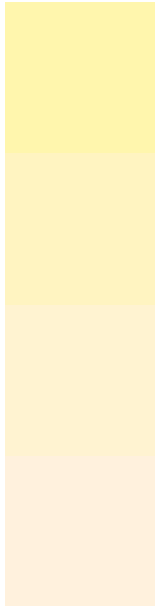
Dichromacy





Tritanopia
96, 7.657, 337.891

Trichromacy



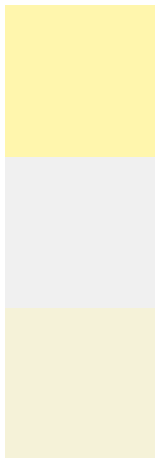
Original Color
96, 37.056, 101.837

Protanomaly
96, 26.271, 98.931

Deuteranomaly
96, 17.904, 94.288

Tritanomaly
96, 11.432, 82.587

Monochromacy



Original Color
96, 37.056, 101.837

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 13.323, 104.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 37.056, 101.837 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 37.056, 101.837 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, 173) }
```

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

```
.border{ border-color:rgb(255, 246, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 37.056, 101.837 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
246, 173) }
```

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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