

Converting Colors

CIELCh(97, 36.982, 95.394)

Have a look what the booklet for
CIELCh(97, 36.982, 95.394) contains.

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Color

CIELCh(96, 36.069, 101.778)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6AF
RGB	255, 246, 175
RGB Percent	100%, 96%, 69%
CMY	0.0012, 0.0365, 0.3149
CMYK	0.00, 0.04, 0.31, 0.00
HSL	53°, 99%, 84%
HSV	53°, 31%, 100%
XYZ	81.6950, 90.0078, 53.4737
YIQ	240.5970, 28.1550, -20.1730

Conversions

Conversions Part 2

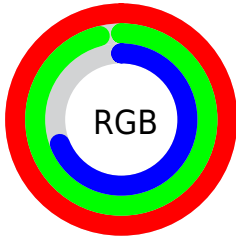
Format	Color
R _Y B	185, 255, 175
Decimal	16774831
CIE Lab	96.00, -7.36, 35.31
CIE LCh	96, 36.069, 101.778
Yxy	90.0078, 0.3628, 0.3997
Android (android.graphics.Color)	4294964911 (0xFFFFF6AF)
YUV	240.5970, -32.3393, 12.6314
Hunter-Lab	94.8724, -12.3197, 32.9926

Details

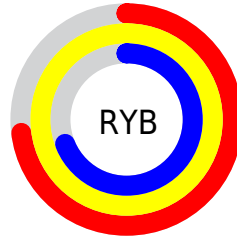
The CIELCh color **96, 36.069, 101.778** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76, 38.233, 289.471**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **76, 36.028, 102.114** is the 20% darker color. If you saturate the color by 10%, you get **95, 47.297, 100.675**, and if you desaturate by 10%, it is **97, 24.637, 102.887**.

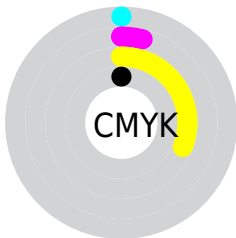
Distribution



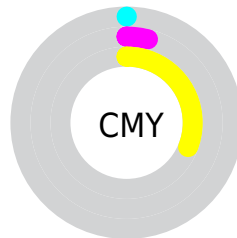
- Red (100%)
- Green (96%)
- Blue (69%)



- Red (73%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (4%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 36.069, 101.778 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, 36.069, 101.778 by changing the saturation by 10% instead.


 96, 36.069,
101.778


 96, 36.069,
101.778


 100, 36.069,
101.778


 86, 36.069,
101.778

 76, 36.069,
101.778

 66, 36.069,
101.778

 56, 36.069,
101.778

 46, 36.069,
101.778

 36, 36.069,
101.778

 26, 36.069,

101.778

■ 16, 36.069,
101.778

■ 6, 36.069, 101.778

■ 96, 36.069,
101.778

■ 96, 36.069,
101.778

■ 95, 47.297,
100.675

■ 97, 24.637,
102.887

■ 94, 58.108, 99.580

■ 98, 13.123,
103.974

■ 93, 68.164, 98.516

■ 100, 1.602,
104.967

■ 92, 76.949, 97.499

■ 100, 0.109,
205.484

■ 90, 87.935, 95.639

■ 90, 89.407, 94.886

Harmonies

Complementary

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



96, 36.069, 101.778



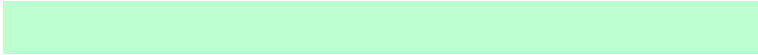
76, 38.233, 289.471

Rectangle

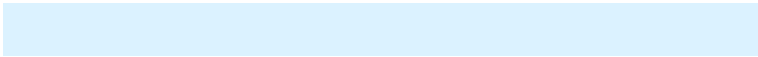
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 36.069, 101.778



96, 36.069, 151.778



96, 36.069, 281.778



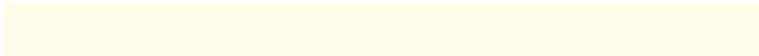
96, 36.069, 331.778

Sweetspot

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



96, 36.071, 101.782



99, 10.364, 104.230



79, 31.284, 13.203



53, 7.204, 104.075



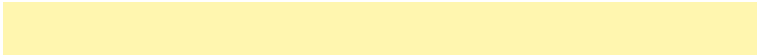
0, 0.000, 0.000



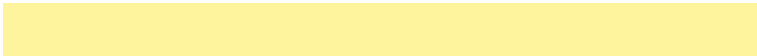
53, 0.007, 296.813

Same Dimension

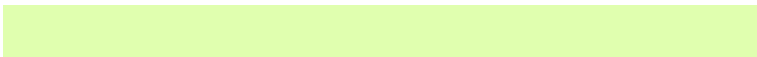
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 36.071, 101.782



95, 43.556, 101.051



96, 41.908, 123.253



53, 6.548, 104.176



69, 72.167, 95.035



24, 32.535, 96.241

Inverse Universe

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



76, 38.233, 289.471



71, 46.905, 290.674



77, 44.347, 306.758



49, 6.661, 286.283



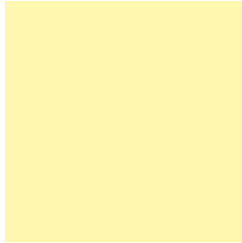
25, 102.052, 304.765



5, 40.554, 299.705

Previews

White Background



This preview shows how the CIE LCh color 96, 36.069, 101.778 looks on a white background.

Color Contrast Check

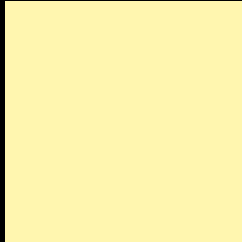
Large Text (above 18pt) WCAG AA × Fail

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, 36.069, 101.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

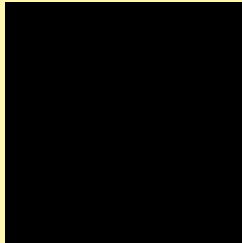
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 36.069, 101.778

Background



This preview shows how black text looks on a background with the CIELCh color 96, 36.069, 101.778.

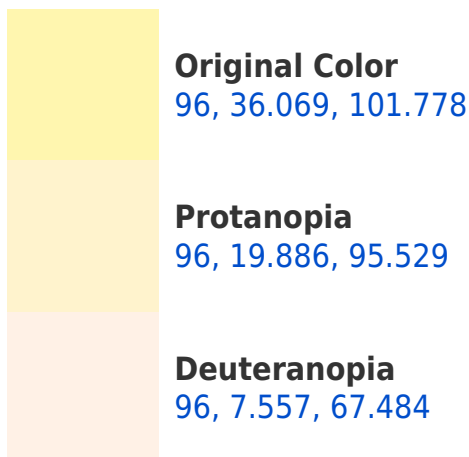



This preview shows how white text looks on a background with the CIELCh color 96, 36.069, 101.778.

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](#).

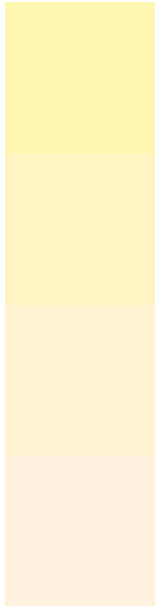
Dichromacy





Tritanopia
96, 7.657, 337.891

Trichromacy



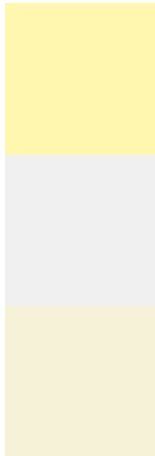
Original Color
96, 36.069, 101.778

Protanomaly
96, 25.772, 98.804

Deuteranomaly
96, 17.410, 93.928

Tritanomaly
96, 10.974, 81.459

Monochromacy



Original Color
96, 36.069, 101.778

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, 36.069, 101.778 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 36.069, 101.778 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, 175) }
```

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

```
.border{ border-color:rgb(255, 246, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 36.069, 101.778 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
246, 175) }
```

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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