

Converting Colors

CIELCh(96, 42.768, 101.834)

Have a look what the booklet for
CIELCh(96, 42.768, 101.834)
contains.

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Color

CIELCh(96, 42.449, 102.046)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6A2
RGB	255, 246, 162
RGB Percent	100%, 96%, 64%
CMY	0.0000, 0.0342, 0.3637
CMYK	0.00, 0.03, 0.36, 0.00
HSL	54°, 100%, 82%
HSV	54°, 36%, 100%
XYZ	80.9259, 90.0078, 47.4105
YIQ	239.1150, 32.3280, -24.2160

Conversions

Conversions Part 2

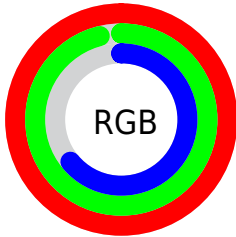
Format	Color
RYB	172, 255, 162
Decimal	16774818
CIELab	96.00, -8.86, 41.51
CIELCh	96, 42.449, 102.046
Yxy	90.0078, 0.3706, 0.4122
Android (android.graphics.Color)	4294964898 (0xFFFFF6A2)
YUV	239.1150, -38.0177, 13.9311
Hunter-Lab	94.8724, -13.7668, 36.7818

Details

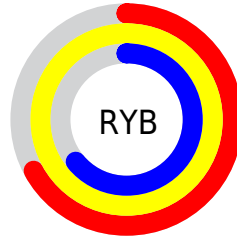
The CIELCh color **96, 42.449, 102.046** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **72, 45.715, 291.194**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.707, 108.762**, and **76, 42.566, 102.138** is the 20% darker color. If you saturate the color by 10%, you get **95, 53.647, 101.126**, and if you desaturate by 10%, it is **97, 30.908, 103.282**.

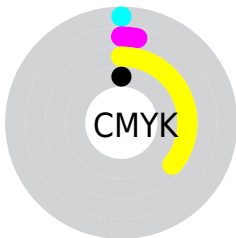
Distribution



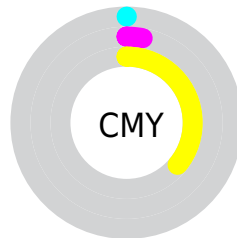
- Red (100%)
- Green (96%)
- Blue (64%)



- Red (67%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 42.449, 102.046 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, 42.449, 102.046 by changing the saturation by 10% instead.


 96, 42.449,
102.046


 96, 42.449,
102.046


 100, 42.449,
102.046


 86, 42.449,
102.046

 76, 42.449,
102.046

 66, 42.449,
102.046

 56, 42.449,
102.046

 46, 42.449,
102.046

 36, 42.449,
102.046

 26, 42.449,

102.046

■ 16, 42.449,
102.046

■ 6, 42.449, 102.046

■ 96, 42.449,
102.046

■ 96, 42.449,
102.046

■ 95, 53.647,
101.126

■ 97, 30.908,
103.282

■ 94, 64.251,
100.083

■ 98, 19.217,
104.360

■ 93, 73.825, 99.090

■ 99, 7.470, 105.412

■ 93, 81.758, 98.168

100, 0.012,
296.813

■ 92, 87.335, 97.330

■ 91, 90.055, 96.567

■ 91, 90.561, 96.301

Harmonies

Complementary

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



96, 42.449, 102.046



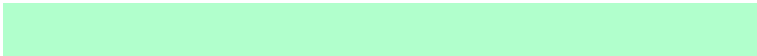
72, 45.715, 291.194

Rectangle

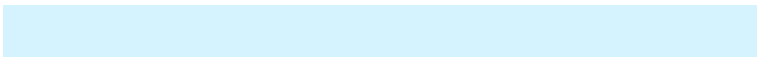
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 42.449, 102.046



96, 42.449, 152.046



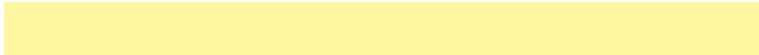
96, 42.449, 282.046



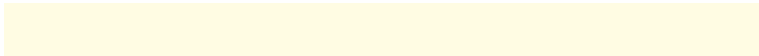
96, 42.449, 332.046

Sweetspot

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



96, 42.441, 102.199



99, 12.912, 104.930



76, 36.757, 15.260



53, 8.677, 104.787



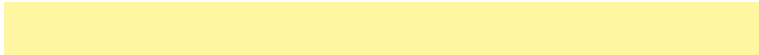
0, 0.000, 0.000



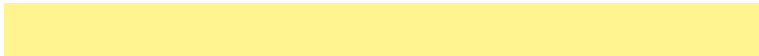
53, 0.007, 296.813

Same Dimension

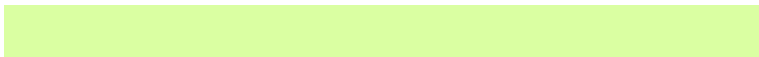
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 42.441, 102.199



95, 51.034, 101.379



96, 48.605, 123.639



53, 6.673, 105.087



70, 73.020, 96.423



24, 33.002, 97.443

Inverse Universe

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



72, 45.715, 291.194



66, 56.162, 292.686



73, 51.865, 307.648



49, 6.795, 287.161



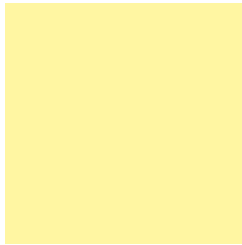
24, 103.258, 305.097



4, 41.138, 300.077

Previews

White Background



This preview shows how the CIE LCh color 96, 42.449, 102.046 looks on a white background.

Color Contrast Check

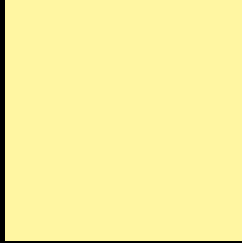
Large Text (above 18pt) WCAG AA × Fail

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, 42.449, 102.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

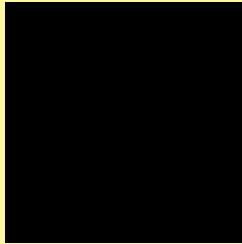
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 42.449, 102.046

Background



This preview shows how black text looks on a background with the CIELCh color 96, 42.449, 102.046.

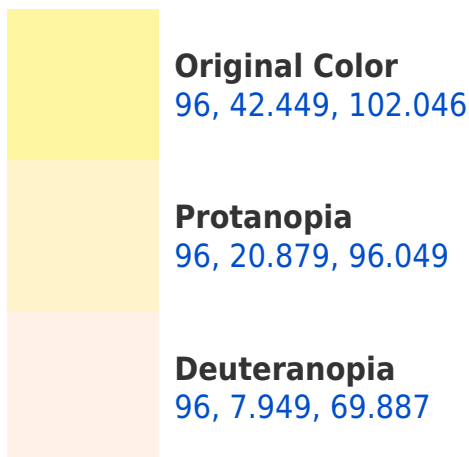


This preview shows how white text looks on a background with the CIELCh color 96, 42.449, 102.046.

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



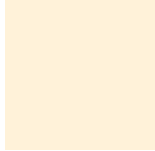
Original Color
96, 42.449, 102.046



Protanomaly
96, 28.764, 99.482



Deuteranomaly
96, 19.886, 95.529

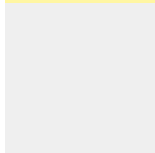


Tritanomaly
96, 13.631, 88.504

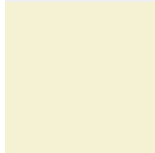
Monochromacy



Original Color
96, 42.449, 102.046



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 15.866, 104.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 42.449, 102.046 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 42.449, 102.046 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, 162) }
```

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

```
.border{ border-color:rgb(255, 246, 162) }
```

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, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 42.449, 102.046 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, 162) }
```

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

```
.background{ background-color: rgb(255,  
246, 162) }
```

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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