

Converting Colors

CIELCh(96, 40.718, 101.065)

Have a look what the booklet for
CIELCh(96, 40.718, 101.065)
contains.

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Color

CIELCh(96, 40.985, 102.006)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6A5
RGB	255, 246, 165
RGB Percent	100%, 96%, 65%
CMY	0.0000, 0.0347, 0.3524
CMYK	0.00, 0.03, 0.35, 0.00
HSL	54°, 100%, 82%
HSV	54°, 35%, 100%
XYZ	81.0969, 90.0078, 48.7609
YIQ	239.4570, 31.3650, -23.2830

Conversions

Conversions Part 2

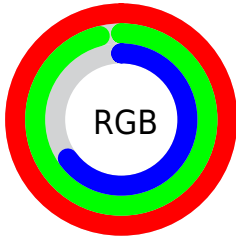
Format	Color
RYB	175, 255, 165
Decimal	16774821
CIELab	96.00, -8.53, 40.09
CIELCh	96, 40.985, 102.006
Yxy	90.0078, 0.3688, 0.4094
Android (android.graphics.Color)	4294964901 (0xFFFFFF6A5)
YUV	239.4570, -36.7073, 13.6312
Hunter-Lab	94.8724, -13.4451, 35.9378

Details

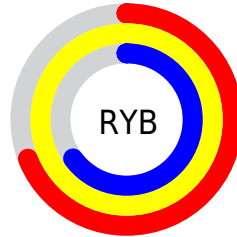
The CIELCh color **96, 40.985, 102.006** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **73, 43.971, 290.788**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **76, 41.074, 102.150** is the 20% darker color. If you saturate the color by 10%, you get **95, 52.200, 101.008**, and if you desaturate by 10%, it is **97, 29.466, 103.180**.

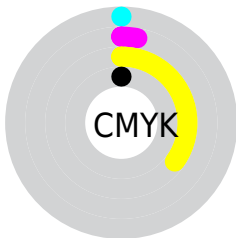
Distribution



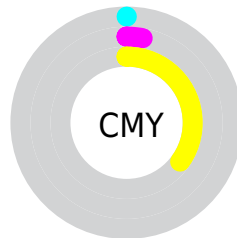
- Red (100%)
- Green (96%)
- Blue (65%)



- Red (69%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 40.985, 102.006 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, 40.985, 102.006 by changing the saturation by 10% instead.

 96, 40.985,
102.006

 96, 40.985,
102.006

 100, 40.985,
102.006


 86, 40.985,
102.006

 76, 40.985,
102.006

 66, 40.985,
102.006

 56, 40.985,
102.006

 46, 40.985,
102.006

 36, 40.985,
102.006

 26, 40.985,

102.006

■ 16, 40.985,
102.006

■ 6, 40.985, 102.006

■ 96, 40.985,
102.006

■ 96, 40.985,
102.006

■ 95, 52.200,
101.008

■ 97, 29.466,
103.180

■ 94, 62.863, 99.952

■ 98, 17.812,
104.260

■ 93, 72.564, 98.940

■ 99, 6.115, 105.311

■ 92, 80.710, 97.994

100, 0.012,
296.813

■ 92, 86.586, 97.125

■ 91, 89.630, 96.327

■ 91, 90.296, 95.961

Harmonies

Complementary

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



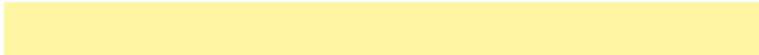
96, 40.985, 102.006



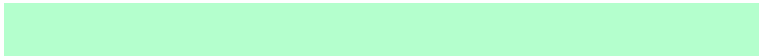
73, 43.971, 290.788

Rectangle

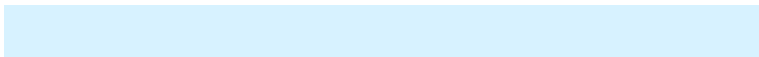
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 40.985, 102.006



96, 40.985, 152.006



96, 40.985, 282.006



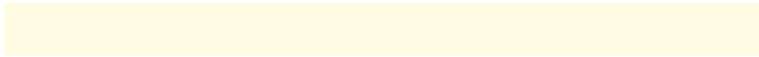
96, 40.985, 332.006

Sweetspot

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



96, 40.981, 102.090



99, 12.854, 104.712



77, 35.509, 15.076



52, 8.638, 104.568



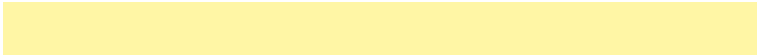
0, 0.000, 0.000



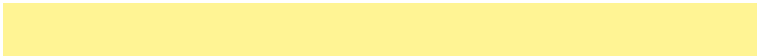
53, 0.007, 296.813

Same Dimension

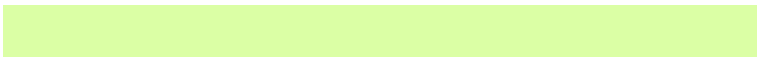
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 40.981, 102.090



95, 48.611, 101.357



96, 47.135, 123.696



53, 6.642, 104.869



70, 72.809, 96.090



24, 32.887, 97.155

Inverse Universe

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



73, 43.971, 290.788



68, 53.115, 292.084



74, 50.181, 307.571



49, 6.762, 286.951



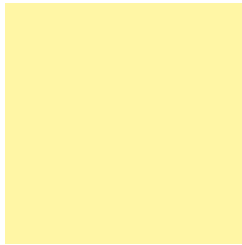
24, 102.979, 305.021



5, 40.996, 299.988

Previews

White Background



This preview shows how the CIE LCh color 96, 40.985, 102.006 looks on a white background.

Color Contrast Check

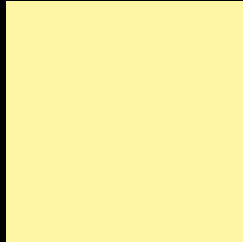
Large Text (above 18pt) WCAG AA × Fail

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, 40.985, 102.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

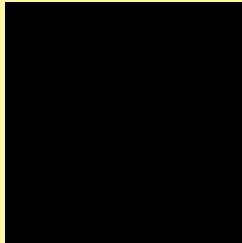
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 40.985, 102.006

Background



This preview shows how black text looks on a background with the CIELCh color 96, 40.985, 102.006.

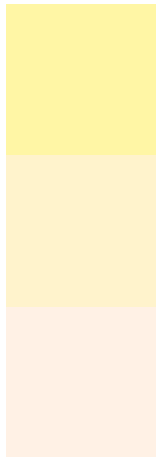


This preview shows how white text looks on a background with the CIELCh color 96, 40.985, 102.006.

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, 40.985, 102.006

Protanopia
96, 20.382, 95.796

Deuteranopia
96, 7.949, 69.887



Tritanopia
96, 7.657, 337.891

Trichromacy



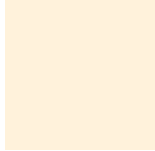
Original Color
96, 40.985, 102.006



Protanomaly
96, 27.768, 99.278



Deuteranomaly
96, 19.389, 95.245

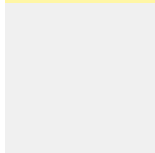


Tritanomaly
96, 12.674, 87.013

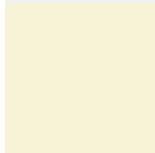
Monochromacy



Original Color
96, 40.985, 102.006



Achromatopsia
95, 0.011, 296.813



Achromatomaly
95, 14.849, 104.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 40.985, 102.006 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 40.985, 102.006 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, 165) }
```

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

```
.border{ border-color:rgb(255, 246, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 40.985, 102.006 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, 165) }
```

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

```
.background{ background-color: rgb(255,  
246, 165) }
```

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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