

Converting Colors

CIELCh(96, 41.987, 106.897)

Have a look what the booklet for
CIELCh(96, 41.987, 106.897)
contains.

CIELCh(96, 41.749, 106.921)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(96, 41.749, 106.921)

Conversions

Conversions Part 1

Format	Color
Hex	F8F8A5
RGB	248, 248, 165
RGB Percent	97%, 97%, 65%
CMY	0.0265, 0.0265, 0.3520
CMYK	0.00, 0.00, 0.33, 0.03
HSL	60°, 86%, 81%
HSV	60°, 33%, 97%
XYZ	79.2510, 90.0078, 48.9015
YIQ	238.5380, 26.6430, -25.8130

Conversions

Conversions Part 2

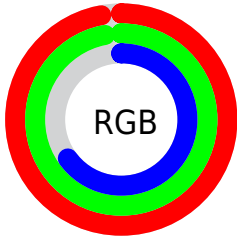
Format	Color
R_{YB}	165, 248, 165
Decimal	16316581
CIE _{Lab}	96.00, -12.15, 39.94
CIE _{LCh}	96, 41.749, 106.921
Yxy	90.0078, 0.3633, 0.4126
Android (android.graphics.Color)	4294506661 (0xFFFF8F8A5)
YUV	238.5380, -36.2542, 8.2982
Hunter-Lab	94.8724, -16.9181, 35.8500

Details

The CIELCh color **96, 41.749, 106.921** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **71, 45.404, 294.472**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **76, 41.900, 107.355** is the 20% darker color. If you saturate the color by 10%, you get **96, 53.641, 105.989**, and if you desaturate by 10%, it is **96, 29.467, 107.892**.

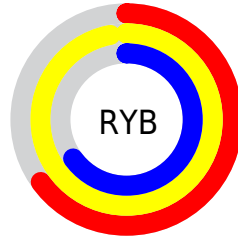
Distribution



Red (97%)

Green (97%)

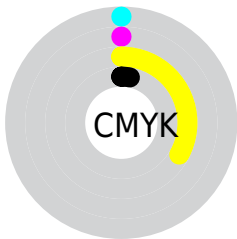
Blue (65%)



Red (65%)

Yellow (97%)

Blue (65%)

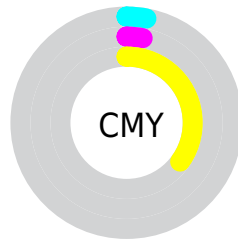


Cyan (0%)

Magenta (0%)

Yellow (33%)

Black (3%)



Cyan (3%)


Magenta (3%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 41.749, 106.921 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, 41.749, 106.921 by changing the saturation by 10% instead.


 96, 41.749,
106.921


 96, 41.749,
106.921


 100, 41.749,
106.921


 86, 41.749,
106.921

 76, 41.749,
106.921

 66, 41.749,
106.921

 56, 41.749,
106.921

 46, 41.749,
106.921

 36, 41.749,
106.921

 26, 41.749,

106.921

■ 16, 41.749,
106.921

■ 6, 41.749, 106.921

■ 96, 41.749,
106.921

■ 96, 41.749,
106.921

■ 96, 53.641,
105.989

■ 96, 29.467,
107.892

■ 95, 64.873,
105.113

■ 97, 16.961,
108.869

■ 95, 75.050,
104.331

■ 97, 4.343, 109.830

■ 95, 83.632,
103.685

■ 98, 3.456, 290.462

■ 98, 3.456, 290.464

■ 95, 90.007,
103.213

■ 98, 3.456, 290.466

■ 95, 93.735,
102.941

■ 98, 3.456, 290.469

■ 98, 3.456, 290.471

■ 95, 94.959,
102.853

■ 98, 3.456, 290.473

Harmonies

Complementary

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



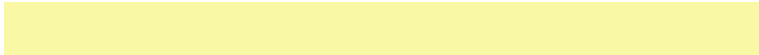
96, 41.749, 106.921



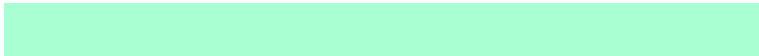
71, 45.404, 294.472

Rectangle

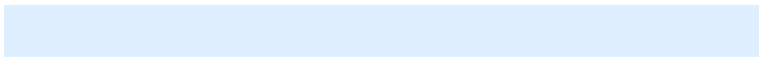
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 41.749, 106.921



96, 41.749, 156.921



96, 41.749, 286.921



96, 41.749, 336.921

Sweetspot

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



96, 41.751, 106.924



99, 12.905, 109.203



76, 33.176, 22.391



53, 8.802, 109.066



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

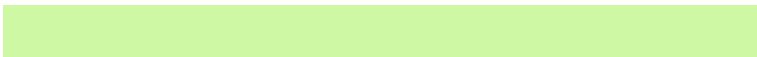
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 41.751, 106.924



98, 50.696, 106.300



93, 44.888, 127.491



52, 7.217, 109.253



74, 77.279, 102.853



25, 34.379, 103.075

Inverse Universe

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



71, 45.404, 294.472



67, 56.307, 295.629



74, 47.083, 310.731



48, 7.380, 291.172



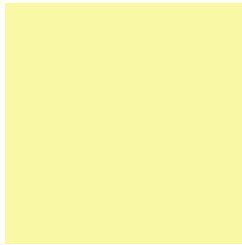
23, 106.708, 306.287



3, 42.026, 300.807

Previews

White Background



This preview shows how the CIELCh color 96, 41.749, 106.921 looks on a white background.

Color Contrast Check

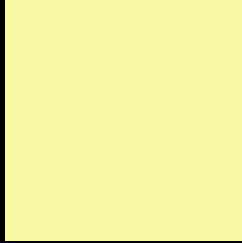
Large Text (above 18pt) WCAG AA × Fail

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, 41.749, 106.921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

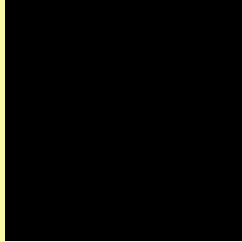
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

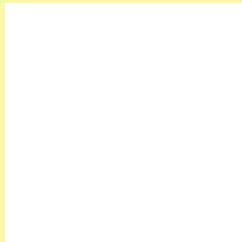
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 41.749, 106.921

Background



This preview shows how black text looks on a background with the CIELCh color 96, 41.749, 106.921.

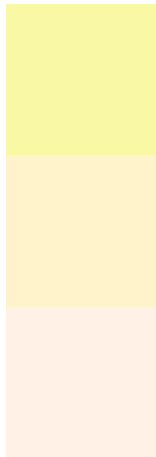


This preview shows how white text looks on a background with the CIELCh color 96, 41.749, 106.921.

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, 41.749, 106.921

Protanopia

96, 20.879, 96.049

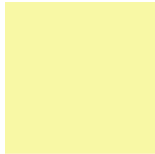
Deuteranopia

96, 7.949, 69.887



Tritanopia
96, 8.758, 330.441

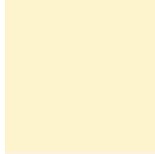
Trichromacy



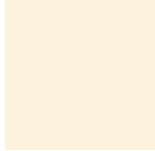
Original Color
96, 41.749, 106.921



Protanomaly
96, 28.593, 101.789

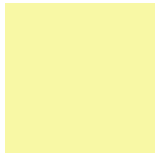


Deuteranomaly
96, 19.644, 98.762

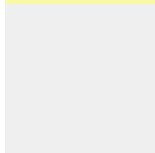


Tritanomaly
96, 11.928, 89.458

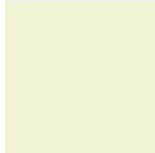
Monochromacy



Original Color
96, 41.749, 106.921



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 15.327, 108.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 41.749, 106.921 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(248, 248, 165)` looks like.

```
.text, #text, p{  
    color:rgb(248, 248, 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(248, 248, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 248, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 41.749, 106.921 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(248, 248, 165) }
```

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

```
.border{ border-color:rgb(248, 248, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 248, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 248, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 248, 165);  
box-shadow:4px 4px 4px 4px rgb(248, 248,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 41.749, 106.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 248, 165) }
```

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

```
.background{ background-color: rgb(248,  
248, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor