

Converting Colors

CIELCh(100, 43.009, 78.744)

Have a look what the booklet for
CIELCh(100, 43.009, 78.744)
contains.

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Color

CIELCh(96, 37.487, 102.474)

Conversions

Conversions Part 1

Format	Color
Hex	FEF6AC
RGB	254, 246, 172
RGB Percent	100%, 96%, 67%
CMY	0.0038, 0.0350, 0.3251
CMYK	0.00, 0.03, 0.32, 0.00
HSL	54°, 98%, 84%
HSV	54°, 32%, 100%
XYZ	81.3169, 90.0078, 52.1704
YIQ	239.9560, 28.5220, -21.3180

Conversions

Conversions Part 2

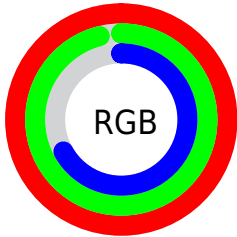
Format	Color
R_{YB}	181, 254, 172
Decimal	16709292
CIE _{Lab}	96.00, -8.10, 36.60
CIE _{LCh}	96, 37.487, 102.474
Yxy	90.0078, 0.3638, 0.4027
Android (android.graphics.Color)	4294899372 (0xFFFEF6AC)
YUV	239.9560, -33.5023, 12.3166
Hunter-Lab	94.8724, -13.0312, 33.8071

Details

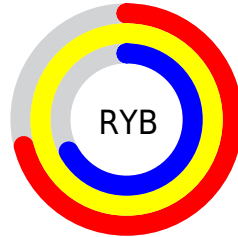
The CIELCh color **96, 37.487, 102.474** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75, 39.937, 290.309**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **76, 37.520, 102.778** is the 20% darker color. If you saturate the color by 10%, you get **95, 48.793, 101.394**, and if you desaturate by 10%, it is **97, 25.942, 103.564**.

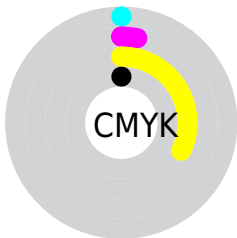
Distribution



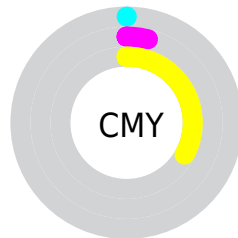
- Red (100%)
- Green (96%)
- Blue (67%)



- Red (71%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 37.487, 102.474 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, 37.487, 102.474 by changing the saturation by 10% instead.


 96, 37.487,
102.474


 96, 37.487,
102.474


 100, 37.487,
102.474


 86, 37.487,
102.474

 76, 37.487,
102.474

 66, 37.487,
102.474

 56, 37.487,
102.474

 46, 37.487,
102.474

 36, 37.487,
102.474

 26, 37.487,

102.474

■ 16, 37.487,
102.474

■ 6, 37.487, 102.474

■ 96, 37.487,
102.474

■ 96, 37.487,
102.474

■ 95, 48.793,
101.394

■ 97, 25.942,
103.564

■ 94, 59.633,
100.330

■ 98, 14.290,
104.638

■ 93, 69.650, 99.306

■ 99, 2.614, 105.654

■ 92, 78.312, 98.342

100, 0.334,
201.367

■ 92, 84.925, 97.455

■ 91, 88.839, 96.645

■ 90, 90.109, 96.054

Harmonies

Complementary

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



96, 37.487, 102.474



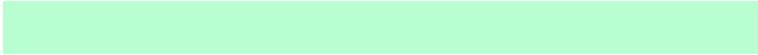
75, 39.937, 290.309

Rectangle

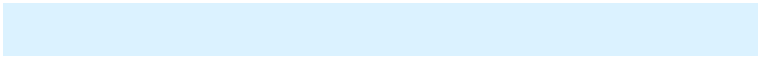
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 37.487, 102.474



96, 37.487, 152.474



96, 37.487, 282.474



96, 37.487, 332.474

Sweetspot

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



96, 37.489, 102.478



99, 11.698, 104.875



78, 32.131, 14.610



53, 7.982, 104.727



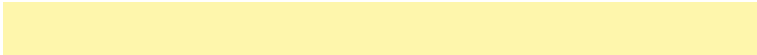
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

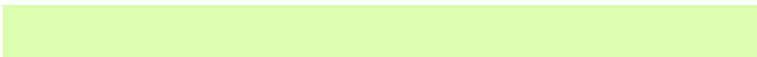
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 37.489, 102.478



96, 45.295, 101.744



96, 43.087, 123.849



53, 6.650, 104.928



70, 72.865, 96.179



24, 32.918, 97.233

Inverse Universe

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



75, 39.937, 290.309



70, 49.094, 291.545



76, 45.596, 307.368



49, 6.771, 287.007



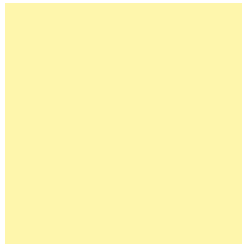
24, 103.054, 305.042



5, 41.034, 300.012

Previews

White Background



This preview shows how the CIE LCh color 96, 37.487, 102.474 looks on a white background.

Color Contrast Check

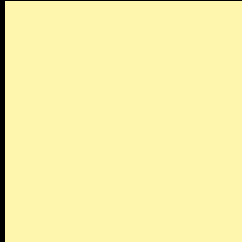
Large Text (above 18pt) WCAG AA × Fail

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, 37.487, 102.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

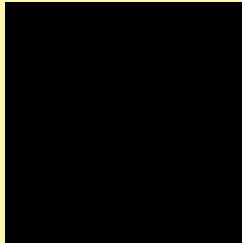
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 37.487, 102.474

Background



This preview shows how black text looks on a background with the CIELCh color 96, 37.487, 102.474.

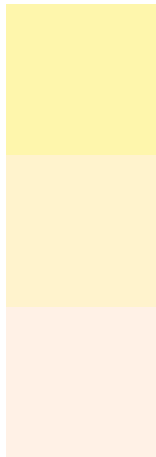


This preview shows how white text looks on a background with the CIELCh color 96, 37.487, 102.474.

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, 37.512, 102.461

Protanopia

96, 19.886, 95.529

Deuteranopia

96, 7.557, 67.484



Tritanopia
96, 7.657, 337.891

Trichromacy



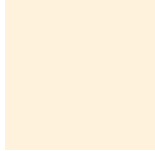
Original Color
96, 37.512, 102.461



Protanomaly
96, 26.271, 98.931



Deuteranomaly
96, 17.904, 94.288

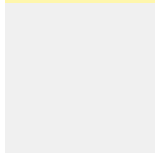


Tritanomaly
96, 11.728, 85.266

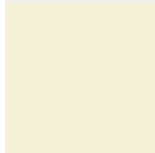
Monochromacy



Original Color
96, 37.512, 102.461



Achromatopsia
95, 0.011, 296.813



Achromatomaly
95, 13.832, 104.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 37.487, 102.474 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(254, 246, 172)` looks like.

```
.text, #text, p{  
    color:rgb(254, 246, 172)  
}
```

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(254, 246, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 246, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 37.487, 102.474 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(254, 246, 172) }
```

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

```
.border{ border-color:rgb(254, 246, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 246, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 246, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 246, 172);  
box-shadow:4px 4px 4px 4px rgb(254, 246,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 37.487, 102.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 246, 172) }
```

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

```
.background{ background-color: rgb(254,  
246, 172) }
```

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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