

Converting Colors

CIELCh(96, 37.791, 104.631)

Have a look what the booklet for
CIELCh(96, 37.791, 104.631)
contains.

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Color

CIElCh(96, 37.879, 104.857)

Conversions

Conversions Part 1

Format	Color
Hex	FBF7AC
RGB	251, 247, 172
RGB Percent	98%, 97%, 67%
CMY	0.0157, 0.0314, 0.3255
CMYK	0.00, 0.02, 0.31, 0.02
HSL	57°, 91%, 83%
HSV	57°, 31%, 98%
XYZ	80.4895, 90.0078, 52.1599
YIQ	239.6460, 26.4590, -22.4770

Conversions

Conversions Part 2

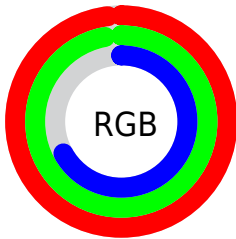
Format	Color
RYB	176, 251, 172
Decimal	16512940
CIELab	96.00, -9.71, 36.61
CIElCh	96, 37.879, 104.857
Yxy	90.0078, 0.3615, 0.4042
Android (android.graphics.Color)	4294703020 (0xFFFFBF7AC)
YUV	239.6460, -33.3495, 9.9575
Hunter-Lab	94.8724, -14.5880, 33.8137

Details

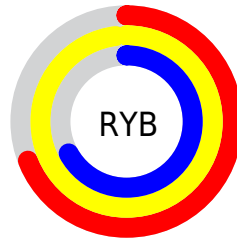
The CIELCh color **96, 37.879, 104.857** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74, 40.626, 292.184**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **76, 37.916, 105.317** is the 20% darker color. If you saturate the color by 10%, you get **95, 49.510, 103.845**, and if you desaturate by 10%, it is **97, 25.962, 105.890**.

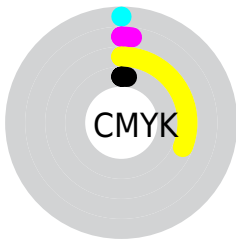
Distribution



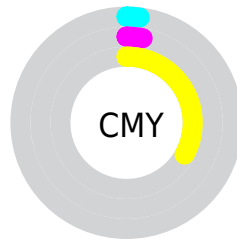
- Red (98%)
- Green (97%)
- Blue (67%)



- Red (69%)
- Yellow (98%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (31%)
- Black (2%)





- Cyan (2%)
- Magenta (3%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 37.879, 104.857 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, 37.879, 104.857 by changing the saturation by 10% instead.


 96, 37.879,
104.857


 96, 37.879,
104.857


 100, 37.879,
104.857


 86, 37.879,
104.857

 76, 37.879,
104.857

 66, 37.879,
104.857

 56, 37.879,
104.857

 46, 37.879,
104.857

 36, 37.879,
104.857

 26, 37.879,

104.857

■ 16, 37.879,
104.857

■ 6, 37.879, 104.857

■ 96, 37.879,
104.857

■ 96, 37.879,
104.857

■ 95, 49.510,
103.845

■ 97, 25.962,
105.890

■ 95, 60.621,
102.866

■ 98, 13.897,
106.914

■ 94, 70.856,
101.948

■ 98, 1.776, 107.877

■ 94, 79.696,
101.123

■ 99, 1.537, 276.178

■ 99, 1.170, 246.012

■ 93, 86.491,
100.422

■ 100, 1.271,
208.632

■ 93, 90.654, 99.863

■ 100, 1.390,
199.794

■ 93, 92.224, 99.482

Harmonies

Complementary

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



96, 37.879, 104.857



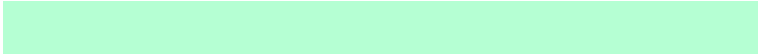
74, 40.626, 292.184

Rectangle

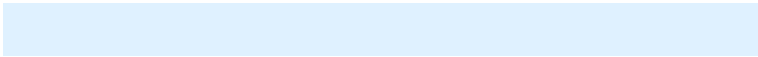
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 37.879, 104.857



96, 37.879, 154.857



96, 37.879, 284.857



96, 37.879, 334.857

Sweetspot

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



96, 37.881, 104.861



99, 11.042, 107.164



78, 31.014, 17.053



53, 7.673, 107.017



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

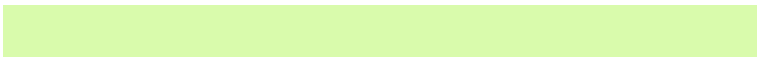
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 37.881, 104.861



97, 46.102, 104.192



95, 41.976, 125.150



52, 6.861, 107.115



72, 74.476, 99.543



24, 33.003, 100.237

Inverse Universe

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



74, 40.626, 292.184



70, 50.367, 293.332



76, 44.201, 308.421



48, 7.001, 289.111



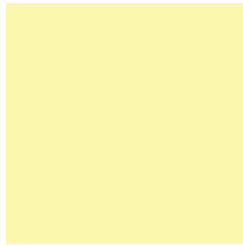
23, 104.443, 305.696



4, 40.534, 299.988

Previews

White Background



This preview shows how the CIE LCh color 96, 37.879, 104.857 looks on a white background.

Color Contrast Check

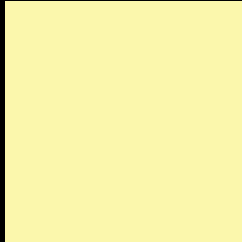
Large Text (above 18pt) WCAG AA × Fail

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, 37.879, 104.857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

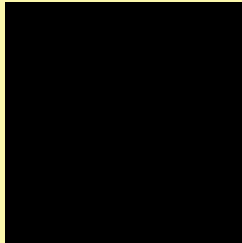
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 37.879, 104.857

Background



This preview shows how black text looks on a background with the CIELCh color 96, 37.879, 104.857.

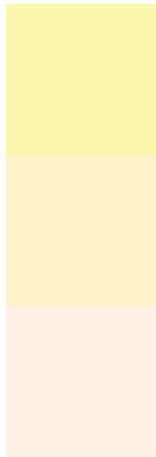


This preview shows how white text looks on a background with the CIELCh color 96, 37.879, 104.857.

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, 37.879, 104.857

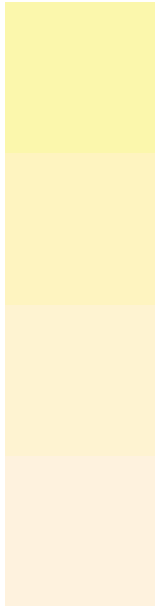
Protanopia
96, 20.382, 95.796

Deuteranopia
96, 7.557, 67.484



Tritanopia
96, 8.376, 332.702

Trichromacy



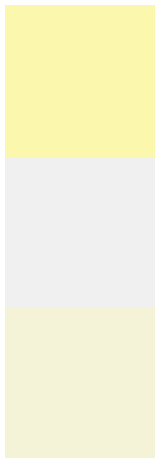
Original Color
96, 37.879, 104.857

Protanomaly
96, 26.712, 99.868

Deuteranomaly
96, 17.813, 95.462

Tritanomaly
96, 11.108, 86.009

Monochromacy



Original Color
96, 37.879, 104.857

Achromatopsia
95, 0.011, 296.813

Achromatomaly
95, 14.298, 107.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 37.879, 104.857 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(251, 247, 172)` looks like.

```
.text, #text, p{  
    color:rgb(251, 247, 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(251, 247, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 247, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 37.879, 104.857 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(251, 247, 172) }
```

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

```
.border{ border-color:rgb(251, 247, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 247, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 247, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 247, 172);  
box-shadow:4px 4px 4px 4px rgb(251, 247,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 37.879, 104.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 247, 172) }
```

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

```
.background{ background-color: rgb(251,  
247, 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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