

Converting Colors

CIELCh(100, 52.017, 68.802)

Have a look what the booklet for
CIELCh(100, 52.017, 68.802)
contains.

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Color

CIELCh(94, 40.077, 97.871)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFA1
RGB	255, 239, 161
RGB Percent	100%, 94%, 63%
CMY	0.0015, 0.0641, 0.3700
CMYK	0.00, 0.06, 0.37, 0.00
HSL	50°, 99%, 81%
HSV	50°, 37%, 100%
XYZ	78.2660, 85.2715, 45.8944
YIQ	234.8920, 34.5740, -20.8660

Conversions

Conversions Part 2

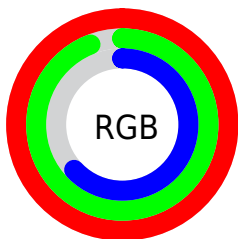
Format	Color
RYB	180, 255, 161
Decimal	16773025
CIELab	94.00, -5.49, 39.70
CIELCh	94, 40.077, 97.871
Yxy	85.2715, 0.3737, 0.4072
Android (android.graphics.Color)	4294963105 (0xFFFFEFA1)
YUV	234.8920, -36.4288, 17.6347
Hunter-Lab	92.3426, -10.3098, 35.1726

Details

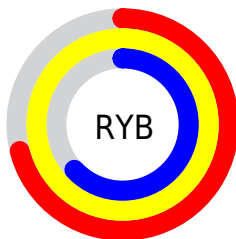
The CIELCh color **94, 40.077, 97.871** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **74, 42.373, 287.631**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 19.210, 108.724**, and **74, 40.158, 97.744** is the 20% darker color. If you saturate the color by 10%, you get **93, 50.693, 96.676**, and if you desaturate by 10%, it is **96, 29.250, 99.062**.

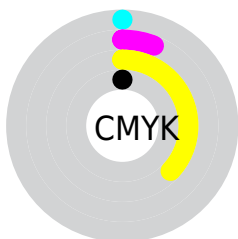
Distribution



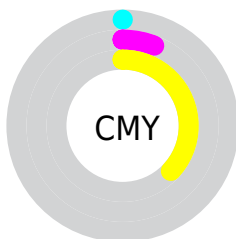
- Red (100%)
- Green (94%)
- Blue (63%)



- Red (71%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (6%)
- Yellow (37%)
- Black (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 40.077, 97.871 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 94, 40.077, 97.871 by changing the saturation by 10% instead.

 94, 40.077, 97.871

 94, 40.077, 97.871

 100, 40.077,
97.871

 84, 40.077, 97.871

 74, 40.077, 97.871

 64, 40.077, 97.871

 54, 40.077, 97.871

 44, 40.077, 97.871

 34, 40.077, 97.871

 24, 40.077, 97.871

 14, 40.077, 97.871

 4, 40.077, 97.871

■ 94, 40.077, 97.871

■ 94, 40.077, 97.871

■ 93, 50.693, 96.676

■ 96, 29.250, 99.062

■ 91, 60.844, 95.475

■ 97, 18.352,
100.228

■ 90, 70.122, 94.277

■ 99, 7.469, 101.354

■ 89, 77.907, 93.078

100, 0.129,
204.522

■ 87, 83.412, 91.855

■ 86, 86.016, 90.558

■ 86, 86.450, 90.144

Harmonies

Complementary

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



94, 40.077, 97.871



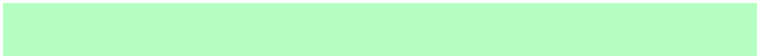
74, 42.373, 287.631

Rectangle

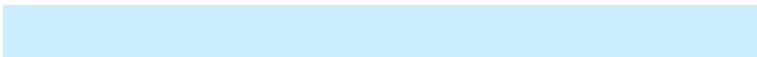
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 40.077, 97.871



94, 40.077, 147.871



94, 40.077, 277.871



94, 40.077, 327.871

Sweetspot

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



94, 40.078, 97.875



98, 11.936, 100.900



76, 37.414, 8.997



52, 8.024, 100.747



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

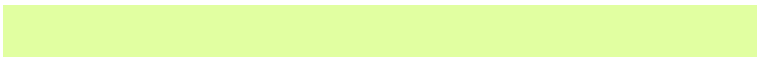
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 40.078, 97.875



93, 47.702, 97.024



96, 48.392, 120.322



52, 6.166, 101.067



66, 69.813, 90.391



22, 31.139, 92.172

Inverse Universe

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



74, 42.373, 287.631



69, 51.223, 289.099



72, 52.196, 304.990



49, 6.251, 283.281



26, 97.364, 303.404



5, 38.705, 298.421

Previews

White Background



This preview shows how the CIELCh color 94, 40.077, 97.871 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 94, 40.077, 97.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

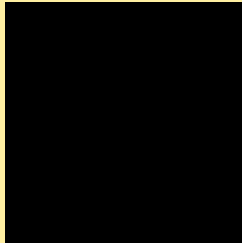
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 94, 40.077, 97.871

Background



This preview shows how black text looks on a background with the CIELCh color 94, 40.077, 97.871.

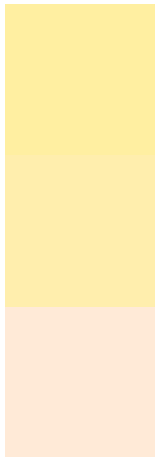


This preview shows how white text looks on a background with the CIELCh color 94, 40.077, 97.871.

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

94, 40.077, 97.871

Protanopia

94, 33.791, 96.127

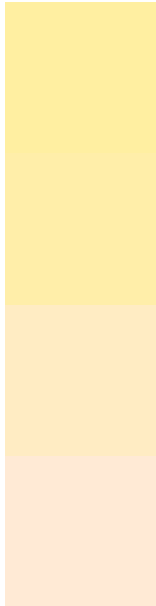
Deuteranopia

94, 12.495, 70.745



Tritanopia
94, 9.975, 345.565

Trichromacy



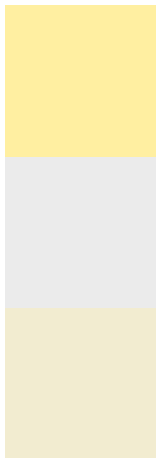
Original Color
94, 40.077, 97.871

Protanomaly
94, 35.762, 96.550

Deuteranomaly
94, 22.238, 89.426

Tritanomaly
94, 13.329, 73.349

Monochromacy



Original Color
94, 40.077, 97.871

Achromatopsia
93, 0.011, 296.813

Achromatomaly
93, 14.531, 100.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 40.077, 97.871 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, 239, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 161)  
}
```

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, 239, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 40.077, 97.871 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, 239, 161) }
```

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

```
.border{ border-color:rgb(255, 239, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 40.077, 97.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 161) }
```

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

```
.background{ background-color: rgb(255,  
239, 161) }
```

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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