

Converting Colors

CIELCh(100, 53.843, 62.465)

Have a look what the booklet for
CIELCh(100, 53.843, 62.465)
contains.

CIELCh(93, 37.571, 94.978)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(93, 37.571, 94.978)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBA3
RGB	255, 235, 163
RGB Percent	100%, 92%, 64%
CMY	0.0018, 0.0801, 0.3624
CMYK	0.00, 0.08, 0.36, 0.00
HSL	47°, 99%, 82%
HSV	47°, 36%, 100%
XYZ	77.2274, 82.9670, 46.3975
YIQ	232.7720, 35.0320, -18.1520

Conversions

Conversions Part 2

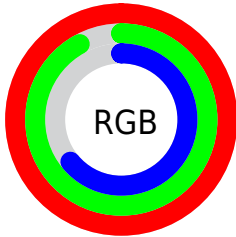
Format	Color
RYB	189, 255, 163
Decimal	16772003
CIELab	93.00, -3.26, 37.43
CIELCh	93, 37.571, 94.978
Yxy	82.9670, 0.3738, 0.4016
Android (android.graphics.Color)	4294962083 (0xFFFFEBA3)
YUV	232.7720, -34.3976, 19.4940
Hunter-Lab	91.0862, -8.0597, 33.5592

Details

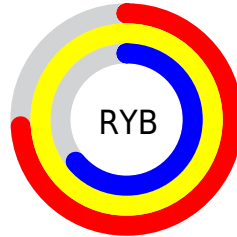
The CIELCh color **93, 37.571, 94.978** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75, 39.083, 284.870**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.203, 108.801**, and **73, 37.608, 94.737** is the 20% darker color. If you saturate the color by 10%, you get **91, 47.897, 93.710**, and if you desaturate by 10%, it is **95, 27.127, 96.230**.

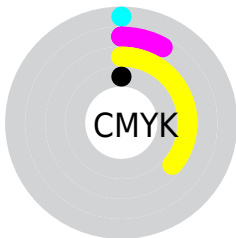
Distribution



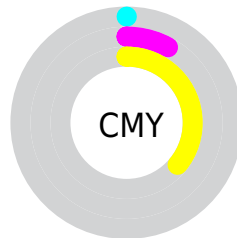
- Red (100%)
- Green (92%)
- Blue (64%)



- Red (74%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 37.571, 94.978 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 93, 37.571, 94.978 by changing the saturation by 10% instead.



93, 37.571, 94.978

93, 37.571, 94.978

91, 47.897, 93.710

95, 27.127, 96.230

90, 57.883, 92.417

97, 16.681, 97.446

88, 67.158, 91.099

99, 6.301, 98.611

86, 75.130, 89.737

100, 0.158,
203.583

85, 80.987, 88.283

84, 83.972, 86.653

83, 84.568, 85.980

Harmonies

Complementary

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



93, 37.571, 94.978



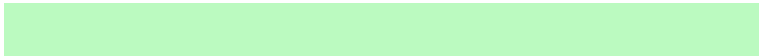
75, 39.083, 284.870

Rectangle

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



93, 37.571, 94.978



93, 37.571, 144.978



93, 37.571, 274.978



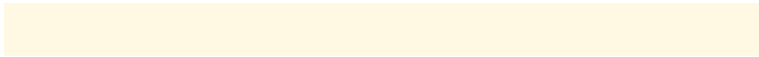
93, 37.571, 324.978

Sweetspot

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



93, 37.572, 94.982



98, 11.365, 98.052



76, 36.875, 5.109



52, 7.642, 97.893



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

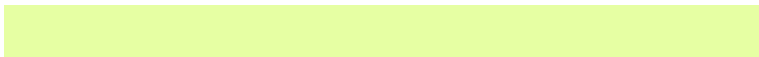
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 37.572, 94.982



92, 44.756, 94.110



96, 46.976, 118.315



52, 5.869, 98.226



64, 68.309, 86.314



21, 30.102, 88.522

Inverse Universe

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



75, 39.083, 284.870



71, 47.090, 286.319



72, 50.828, 303.309



50, 5.930, 280.531



28, 92.667, 301.919



6, 36.997, 297.073

Previews

White Background



This preview shows how the CIE LCh color 93, 37.571, 94.978 looks on a white background.

Color Contrast Check

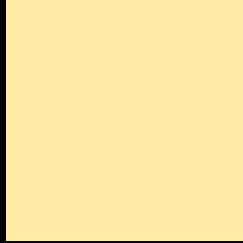
Large Text (above 18pt) WCAG AA × Fail

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 93, 37.571, 94.978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

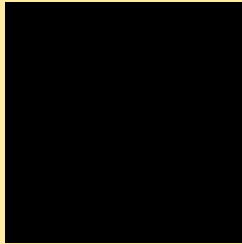
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 93, 37.571, 94.978

Background



This preview shows how black text looks on a background with the CIELCh color 93, 37.571, 94.978.



This preview shows how white text looks on a background with the CIELCh color 93, 37.571, 94.978.

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

93, 37.571, 94.978

Protanopia

93, 37.482, 95.576

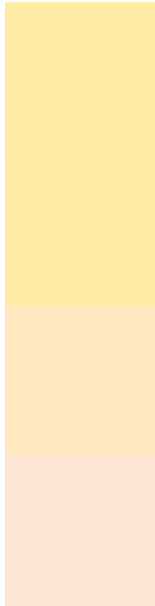
Deuteranopia

93, 14.481, 70.819



Tritanopia
93, 11.481, 347.659

Trichromacy



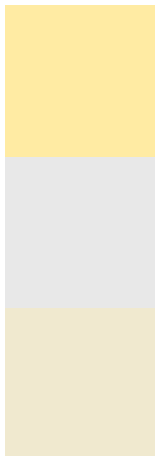
Original Color
93, 37.571, 94.978

Protanomaly
93, 37.482, 95.576

Deuteranomaly
93, 22.406, 85.273

Tritanomaly
93, 13.170, 64.277

Monochromacy



Original Color
93, 37.571, 94.978

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 13.615, 98.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 37.571, 94.978 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, 235, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 163)  
}
```

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, 235, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 37.571, 94.978 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, 235, 163) }
```

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

```
.border{ border-color:rgb(255, 235, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 37.571, 94.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 163) }
```

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

```
.background{ background-color: rgb(255,  
235, 163) }
```

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