

Converting Colors

CIELCh(94, 19.496, 87.370)

Have a look what the booklet for
CIELCh(94, 19.496, 87.370) contains.

CIELCh(94, 19.821, 87.354)	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(94, 19.821, 87.354)

Conversions

Conversions Part 1

Format	Color
Hex	FFECC8
RGB	255, 236, 200
RGB Percent	100%, 93%, 78%
CMY	0.0007, 0.0752, 0.2164
CMYK	0.00, 0.07, 0.22, 0.00
HSL	39°, 99%, 89%
HSV	39°, 22%, 100%
XYZ	81.5182, 85.2715, 66.6972
YIQ	237.5770, 22.8800, -7.1680

Conversions

Conversions Part 2

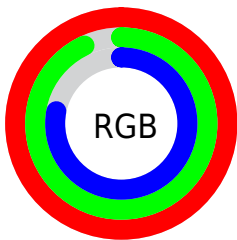
Format	Color
R _Y B	229, 255, 200
Decimal	16772296
CIE Lab	94.00, 0.92, 19.80
CIE LCh	94, 19.821, 87.354
Yxy	85.2715, 0.3491, 0.3652
Android (android.graphics.Color)	4294962376 (0xFFFFECC8)
YUV	237.5770, -18.5255, 15.2800
Hunter-Lab	92.3426, -4.0233, 21.8158

Details

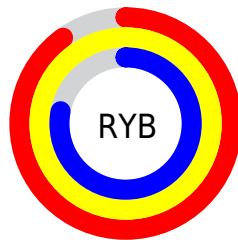
The CIELCh color **94, 19.821, 87.354** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **87, 19.664, 273.328**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 19.738, 86.720** is the 20% darker color. If you saturate the color by 10%, you get **91, 29.327, 86.012**, and if you desaturate by 10%, it is **97, 10.511, 88.661**.

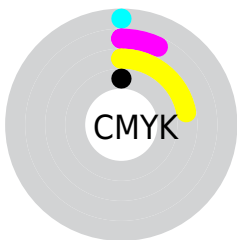
Distribution



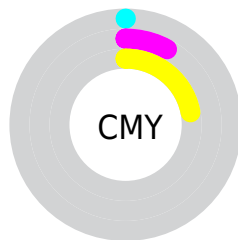
- Red (100%)
- Green (93%)
- Blue (78%)



- Red (90%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 19.821, 87.354 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, 19.821, 87.354 by changing the saturation by 10% instead.

 94, 19.821, 87.354

 94, 19.821, 87.354

 100, 19.821,
87.354

 84, 19.821, 87.354

 74, 19.821, 87.354

 64, 19.821, 87.354

 54, 19.821, 87.354

 44, 19.821, 87.354

 34, 19.821, 87.354

 24, 19.821, 87.354

 14, 19.821, 87.354

 4, 19.821, 87.354

94, 19.821, 87.354

94, 19.821, 87.354

91, 29.327, 86.012

97, 10.511, 88.661

89, 38.979, 84.620

99, 1.409, 89.745

86, 48.668, 83.183

100, 0.065,
209.686

84, 58.175, 81.683

81, 67.085, 80.077

79, 74.694, 78.268

77, 80.020, 76.083

75, 82.449, 73.866

Harmonies

Complementary

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



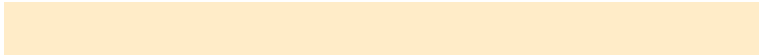
94, 19.821, 87.354



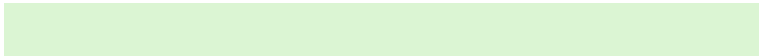
87, 19.664, 273.328

Rectangle

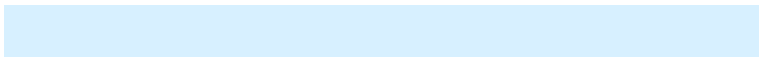
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 19.821, 87.354



94, 19.821, 137.354



94, 19.821, 267.354



94, 19.821, 317.354

Sweetspot

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



94, 19.822, 87.362



98, 5.409, 89.348



86, 22.514, 354.781



52, 3.591, 89.270



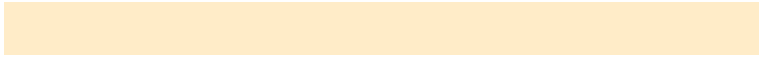
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

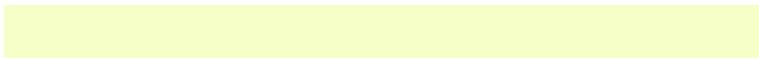
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 19.822, 87.362



93, 24.016, 86.771



98, 27.934, 114.431



52, 5.150, 88.922



58, 66.447, 74.432



19, 27.940, 77.196

Inverse Universe

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



87, 19.664, 273.328



84, 23.780, 274.117



83, 29.330, 297.938



50, 5.142, 271.449



33, 77.478, 296.007



8, 31.075, 290.764

Previews

White Background



This preview shows how the CIE LCh color 94, 19.821, 87.354 looks on a white background.

Color Contrast Check

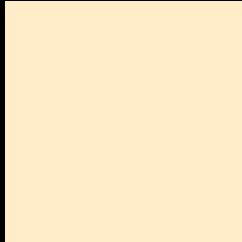
Large Text (above 18pt) WCAG AA × Fail

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, 19.821, 87.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

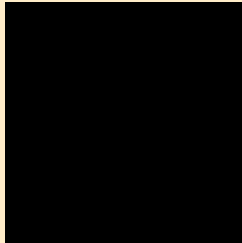
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

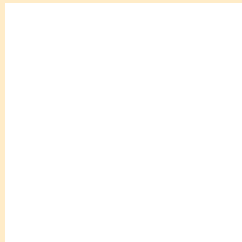
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 94, 19.821, 87.354

Background



This preview shows how black text looks on a background with the CIELCh color 94, 19.821, 87.354.

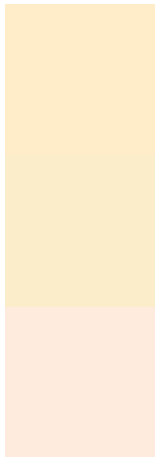


This preview shows how white text looks on a background with the CIELCh color 94, 19.821, 87.354.

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, 19.821, 87.354

Protanopia

94, 19.182, 92.682

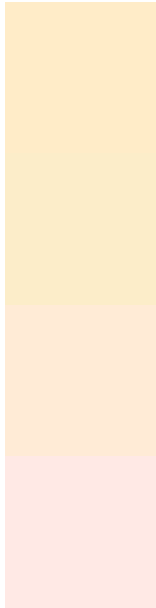
Deuteranopia

94, 9.870, 58.224



Tritanopia
94, 11.186, 340.111

Trichromacy



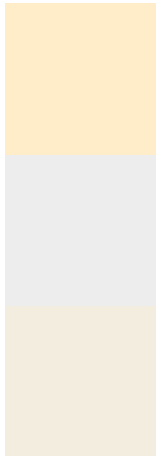
Original Color
94, 19.821, 87.354

Protanomaly
94, 19.292, 91.594

Deuteranomaly
94, 13.098, 74.685

Tritanomaly
94, 8.250, 34.222

Monochromacy



Original Color
94, 19.821, 87.354

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 7.490, 92.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 19.821, 87.354 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, 236, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 200)  
}
```

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, 236, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 19.821, 87.354 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, 236, 200) }
```

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

```
.border{ border-color:rgb(255, 236, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 19.821, 87.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 200) }
```

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

```
.background{ background-color: rgb(255,  
236, 200) }
```

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