

Converting Colors

CIELCh(100, 37.281, 46.288)

Have a look what the booklet for
CIELCh(100, 37.281, 46.288)
contains.

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Color

CIELCh(94, 17.617, 83.514)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBCC
RGB	255, 235, 204
RGB Percent	100%, 92%, 80%
CMY	0.0000, 0.0773, 0.1989
CMYK	0.00, 0.08, 0.20, 0.00
HSL	37°, 100%, 90%
HSV	37°, 20%, 100%
XYZ	82.0728, 85.2715, 69.4382
YIQ	237.4460, 21.8710, -5.4010

Conversions

Conversions Part 2

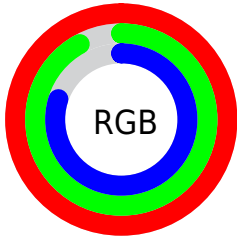
Format	Color
R _Y B	237, 255, 204
Decimal	16772044
CIE Lab	94.00, 1.99, 17.50
CIE LCh	94, 17.617, 83.514
Yxy	85.2715, 0.3466, 0.3601
Android (android.graphics.Color)	4294962124 (0xFFFFEBC)
YUV	237.4460, -16.4889, 15.3949
Hunter-Lab	92.3426, -2.9512, 20.0560

Details

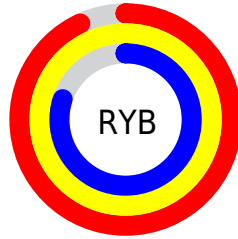
The CIELCh color **94, 17.617, 83.514** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **89, 17.246, 269.392**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **74, 17.440, 82.660** is the 20% darker color. If you saturate the color by 10%, you get **91, 26.787, 82.502**, and if you desaturate by 10%, it is **97, 8.605, 85.154**.

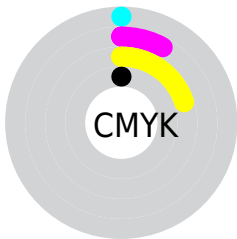
Distribution



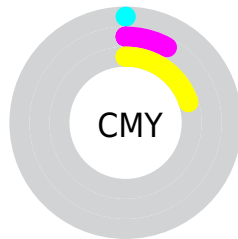
- Red (100%)
- Green (92%)
- Blue (80%)



- Red (93%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 17.617, 83.514 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, 17.617, 83.514 by changing the saturation by 10% instead.

 94, 17.617, 83.514

 94, 17.617, 83.514

 100, 17.617,
83.514

 84, 17.617, 83.514

 74, 17.617, 83.514

 64, 17.617, 83.514

 54, 17.617, 83.514

 44, 17.617, 83.514

 34, 17.617, 83.514

 24, 17.617, 83.514

 14, 17.617, 83.514

 4, 17.617, 83.514

94, 17.617, 83.514

94, 17.617, 83.514

91, 26.787, 82.502

97, 8.605, 85.154

88, 36.234, 81.108

100, 0.012,
296.813

85, 45.831, 79.671

83, 55.408, 78.175

80, 64.621, 76.573

78, 72.841, 74.763

75, 79.097, 72.556

73, 82.724, 69.773

73, 82.761, 69.742

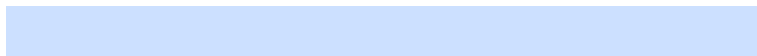
Harmonies

Complementary

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



94, 17.617, 83.514



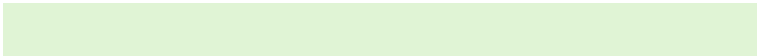
89, 17.246, 269.392

Rectangle

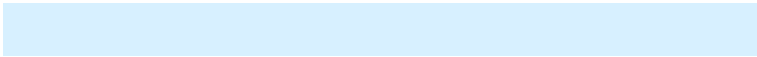
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 17.617, 83.514



94, 17.617, 133.514



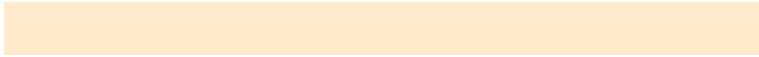
94, 17.617, 263.514



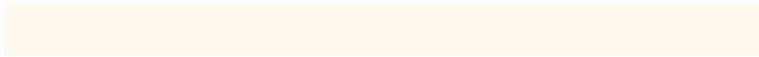
94, 17.617, 313.514

Sweetspot

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



94, 17.569, 83.855



98, 5.188, 85.630



87, 21.265, 351.339



52, 3.445, 85.553



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, 17.569, 83.855



93, 21.329, 83.304



99, 25.680, 112.471



52, 4.944, 85.203



56, 66.600, 70.370



18, 27.478, 73.000

Inverse Universe

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



89, 17.246, 269.392



86, 20.845, 270.117



84, 26.882, 295.990



50, 4.911, 267.776



35, 72.018, 293.305



9, 28.913, 287.686

Previews

White Background



This preview shows how the CIE LCh color 94, 17.617, 83.514 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 CIE LCh color 94, 17.617, 83.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

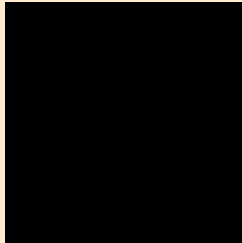
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 94, 17.617, 83.514

Background



This preview shows how black text looks on a background with the CIELCh color 94, 17.617, 83.514.

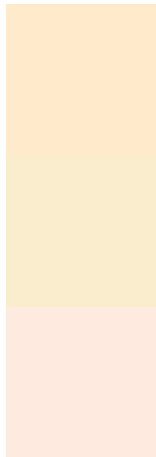


This preview shows how white text looks on a background with the CIELCh color 94, 17.617, 83.514.

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, 17.617, 83.514

Protanopia

94, 16.998, 93.495

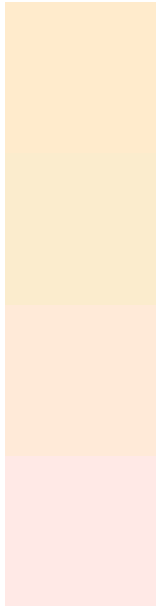
Deuteranopia

94, 9.547, 55.889



Tritanopia
94, 11.186, 340.111

Trichromacy



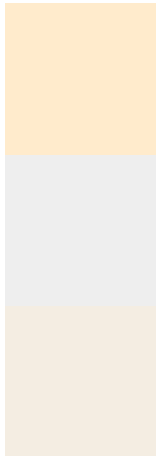
Original Color
94, 17.617, 83.514

Protanomaly
94, 16.864, 89.362

Deuteranomaly
94, 12.090, 69.305

Tritanomaly
94, 8.125, 30.751

Monochromacy



Original Color
94, 17.617, 83.514

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 6.167, 85.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 17.617, 83.514 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 17.617, 83.514 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, 204) }
```

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

```
.border{ border-color:rgb(255, 235, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 17.617, 83.514 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
235, 204) }
```

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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