

# Converting Colors

CIELCh(100, 37.093, 42.134)

Have a look what the booklet for  
CIELCh(100, 37.093, 42.134)  
contains.

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# **Color**

**CIELCh(94, 15.516, 78.555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBD1
RGB	255, 235, 209
RGB Percent	100%, 92%, 82%
CMY	0.0000, 0.0794, 0.1814
CMYK	0.00, 0.08, 0.18, 0.00
HSL	34°, 100%, 91%
HSV	34°, 18%, 100%
XYZ	82.6372, 85.2715, 72.2547
YIQ	238.0160, 20.2660, -3.8460

# Conversions

## Conversions Part 2

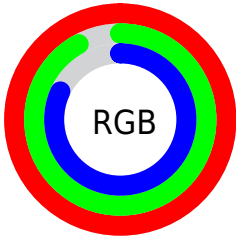
Format	Color
R <sub>Y</sub> B	244, 255, 209
Decimal	16772049
CIE Lab	94.00, 3.08, 15.21
CIE LCh	94, 15.516, 78.555
Yxy	85.2715, 0.3441, 0.3551
Android (android.graphics.Color)	4294962129 (0xFFFFEBD1)
YUV	238.0160, -14.3049, 14.8950
Hunter-Lab	92.3426, -1.8603, 18.2476

# Details

The CIELCh color **94, 15.516, 78.555** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **90, 14.920, 264.527**, 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, 15.026, 78.652** is the 20% darker color. If you saturate the color by 10%, you get **91, 24.286, 78.171**, and if you desaturate by 10%, it is **97, 6.768, 80.775**.

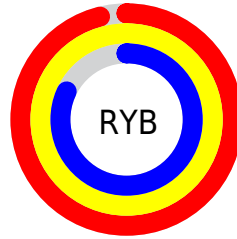
# Distribution



Red (100%)

Green (92%)

Blue (82%)



Red (96%)

Yellow (100%)

Blue (82%)

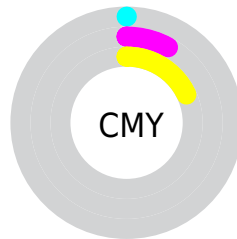


Cyan (0%)

Magenta (8%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 15.516, 78.555 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, 15.516, 78.555 by changing the saturation by 10% instead.



 94, 15.516, 78.555

 94, 15.516, 78.555

 100, 15.516,  
78.555

 84, 15.516, 78.555

 74, 15.516, 78.555

 64, 15.516, 78.555

 54, 15.516, 78.555

 44, 15.516, 78.555

 34, 15.516, 78.555

 24, 15.516, 78.555

 14, 15.516, 78.555

 4, 15.516, 78.555

94, 15.516, 78.555

94, 15.516, 78.555

91, 24.286, 78.171

97, 6.768, 80.775

87, 33.517, 76.806

100, 0.012,  
296.813

84, 43.016, 75.408

81, 52.659, 73.961

79, 62.173, 72.422

76, 71.021, 70.688

73, 78.280, 68.555

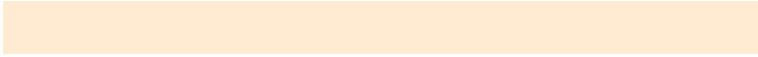
71, 82.925, 65.744

70, 83.653, 65.200

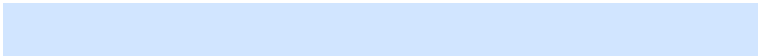
# Harmonies

# Complementary

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



94, 15.516, 78.555



90, 14.920, 264.527

# Rectangle

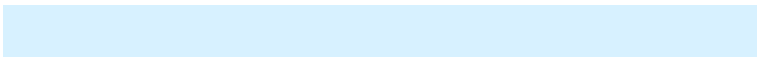
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 15.516, 78.555



94, 15.516, 128.555



94, 15.516, 258.555



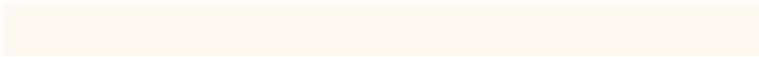
94, 15.516, 308.555

# Sweetspot

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



94, 15.368, 79.501



98, 4.129, 81.141



88, 19.928, 348.095



52, 2.822, 81.063



0, 0.000, 0.000

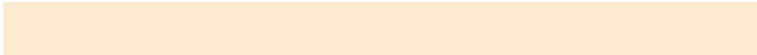


53, 0.007, 296.813

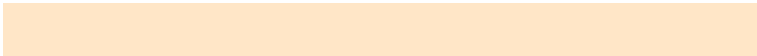


# Same Dimension

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



94, 15.368, 79.501



93, 18.771, 78.992



99, 23.384, 110.518



51, 4.739, 80.607



54, 67.237, 65.879



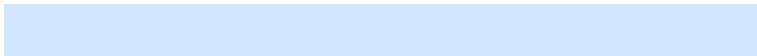
17, 27.141, 68.108





# Inverse Universe

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



90, 14.920, 264.527



88, 18.092, 265.191



85, 24.389, 294.007



50, 4.676, 263.198



38, 65.863, 289.715

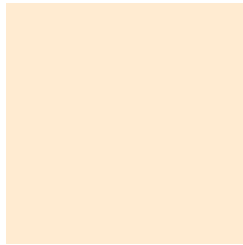


11, 26.548, 283.676



# Previews

## White Background



This preview shows how the CIELCh color 94, 15.516, 78.555 looks on a white background.

## Color Contrast Check

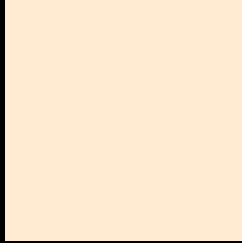
Large Text (above 18pt) WCAG AA × Fail

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, 15.516, 78.555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

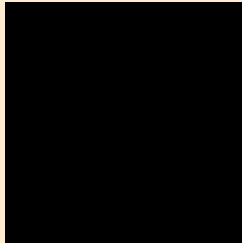
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 94, 15.516, 78.555

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 15.516, 78.555.

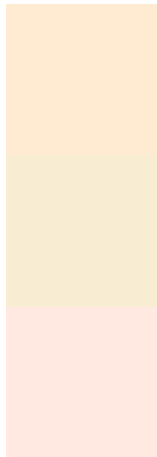


This preview shows how white text looks on a background with the CIELCh color 94, 15.516, 78.555.

# 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, 15.311, 79.783

### Protanopia

94, 14.424, 92.568

### Deuteranopia

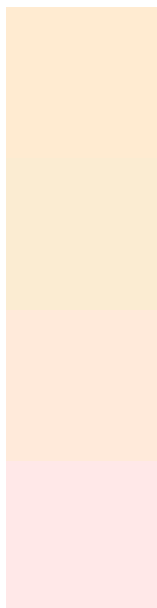
94, 9.286, 49.558



**Tritanopia**  
94, 11.186, 340.111



# Trichromacy



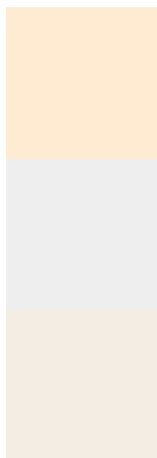
**Original Color**  
94, 15.311, 79.783

**Protanomaly**  
94, 14.457, 86.320

**Deuteranomaly**  
94, 11.304, 66.111

**Tritanomaly**  
94, 8.319, 19.904

# Monochromacy



**Original Color**  
94, 15.311, 79.783

**Achromatopsia**  
94, 0.011, 296.813

**Achromatomaly**  
94, 5.701, 83.388

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 94, 15.516, 78.555 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 209) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 15.516, 78.555 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, 209) }
```

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

```
.border{ border-color:rgb(255, 235, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
209) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 15.516, 78.555 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
235, 209) }
```

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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