

# Converting Colors

CIELCh(94, 15.635, 82.746)

Have a look what the booklet for  
CIELCh(94, 15.635, 82.746) contains.

<b>CIELCh(94, 15.586, 81.845)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(94, 15.586, 81.845)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEEBD0
RGB	254, 235, 208
RGB Percent	100%, 92%, 82%
CMY	0.0028, 0.0773, 0.1832
CMYK	0.00, 0.07, 0.18, 0.00
HSL	35°, 97%, 91%
HSV	35°, 18%, 100%
XYZ	82.1871, 85.2715, 71.9805
YIQ	237.6030, 19.9910, -4.3690

# Conversions

## Conversions Part 2

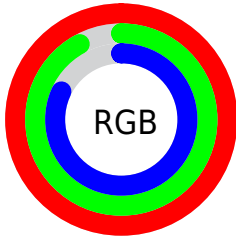
Format	Color
R <sub>Y</sub> B	240, 254, 208
Decimal	16706512
CIE Lab	94.00, 2.21, 15.43
CIE LCh	94, 15.586, 81.845
Yxy	85.2715, 0.3432, 0.3561
Android (android.graphics.Color)	4294896592 (0xFFFEED0)
YUV	237.6030, -14.5943, 14.3802
Hunter-Lab	92.3426, -2.7303, 18.4236

# Details

The CIELCh color **94, 15.586, 81.845** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **90, 15.235, 266.871**, 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, 15.304, 80.872** is the 20% darker color. If you saturate the color by 10%, you get **91, 24.605, 80.514**, and if you desaturate by 10%, it is **97, 6.855, 83.138**.

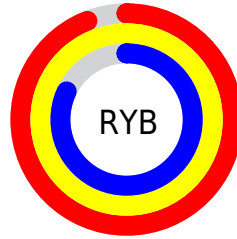
# Distribution



Red (100%)

Green (92%)

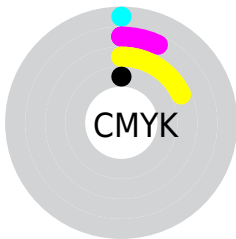
Blue (82%)



Red (94%)

Yellow (100%)

Blue (82%)

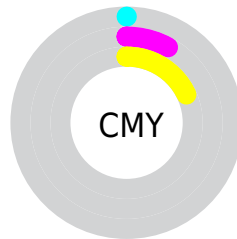


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 15.586, 81.845 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, 15.586, 81.845 by changing the saturation by 10% instead.



 94, 15.586, 81.845

 94, 15.586, 81.845

 100, 15.586,  
81.845

 84, 15.586, 81.845

 74, 15.586, 81.845

 64, 15.586, 81.845

 54, 15.586, 81.845

 44, 15.586, 81.845

 34, 15.586, 81.845

 24, 15.586, 81.845

 14, 15.586, 81.845

 4, 15.586, 81.845

94, 15.586, 81.845

94, 15.586, 81.845

91, 24.605, 80.514

97, 6.855, 83.138

88, 33.896, 79.134

100, 0.247,  
202.077

85, 43.405, 77.715

82, 52.997, 76.243

79, 62.384, 74.677

77, 71.015, 72.921

74, 77.972, 70.785

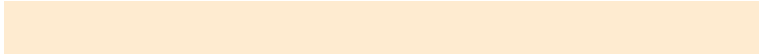
72, 82.275, 68.013

71, 82.953, 67.460

# Harmonies

# Complementary

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



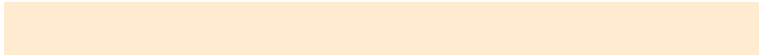
94, 15.586, 81.845



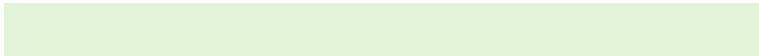
90, 15.235, 266.871

# Rectangle

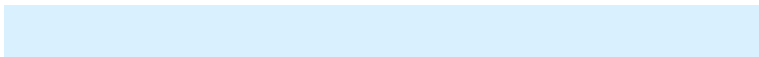
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 15.586, 81.845



94, 15.586, 131.845



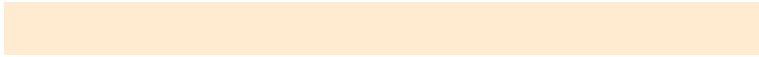
94, 15.586, 261.845



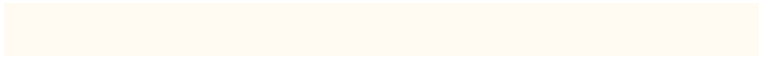
94, 15.586, 311.845

# Sweetspot

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



94, 15.587, 81.855



98, 4.219, 83.503



88, 19.441, 350.102



52, 2.883, 83.423



0, 0.000, 0.000

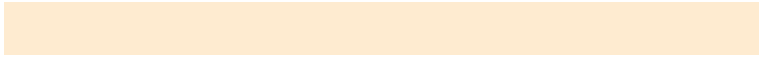


53, 0.007, 296.813



# Same Dimension

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



94, 15.587, 81.855



93, 19.119, 81.336



98, 23.304, 111.923



52, 4.838, 82.963



55, 66.858, 68.111



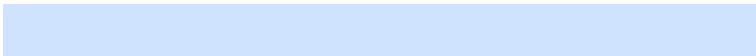
18, 27.285, 70.575





# Inverse Universe

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



90, 15.235, 266.871



88, 18.580, 267.542



85, 24.295, 295.197



50, 4.790, 265.551



37, 68.938, 291.591

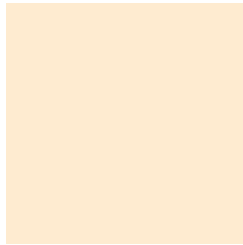


10, 27.721, 285.762



# Previews

## White Background



This preview shows how the CIELCh color 94, 15.586, 81.845 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, 15.586, 81.845 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

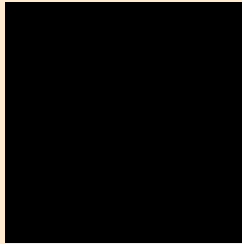
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 94, 15.586, 81.845

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 15.586, 81.845.



This preview shows how white text looks on a background with the CIELCh color 94, 15.586, 81.845.

# 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, 15.586, 81.845

### Protanopia

94, 15.025, 91.684

### Deuteranopia

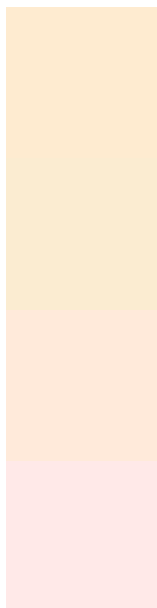
94, 9.242, 53.391



**Tritanopia**  
94, 11.519, 338.149



# Trichromacy



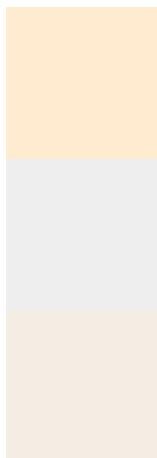
**Original Color**  
94, 15.586, 81.845

**Protanomaly**  
94, 14.935, 87.012

**Deuteranomaly**  
94, 11.304, 66.111

**Tritanomaly**  
94, 7.972, 23.550

# Monochromacy



**Original Color**  
94, 15.586, 81.845

**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, 15.586, 81.845 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(254, 235, 208)` looks like.

```
.text, #text, p{  
    color:rgb(254, 235, 208)  
}
```

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(254, 235, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 235, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 15.586, 81.845 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(254, 235, 208) }
```

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

```
.border{ border-color:rgb(254, 235, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 235, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 235, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 235, 208);  
box-shadow:4px 4px 4px 4px rgb(254, 235,  
208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 15.586, 81.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 235, 208) }
```

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

```
.background{ background-color: rgb(254,  
235, 208) }
```

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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