

# Converting Colors

CIELCh(100, 37.663, 50.740)

Have a look what the booklet for  
CIELCh(100, 37.663, 50.740)  
contains.

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# Color

**CIELCh(94, 20.634, 89.256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEECC6
RGB	254, 236, 198
RGB Percent	100%, 93%, 78%
CMY	0.0033, 0.0738, 0.2228
CMYK	0.00, 0.07, 0.22, 0.00
HSL	41°, 97%, 89%
HSV	41°, 22%, 100%
XYZ	81.1855, 85.2715, 65.7214
YIQ	237.0500, 22.9260, -8.0020

# Conversions

## Conversions Part 2

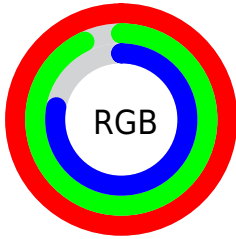
Format	Color
R <sub>Y</sub> B	225, 254, 198
Decimal	16706758
CIE Lab	94.00, 0.27, 20.63
CIE LCh	94, 20.634, 89.256
Yxy	85.2715, 0.3497, 0.3673
Android (android.graphics.Color)	4294896838 (0xFFFECC6)
YUV	237.0500, -19.2516, 14.8652
Hunter-Lab	92.3426, -4.6664, 22.4424

# Details

The CIELCh color **94, 20.634, 89.256** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **86, 20.600, 275.288**, 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, 20.601, 88.708** is the 20% darker color. If you saturate the color by 10%, you get **92, 30.284, 87.926**, and if you desaturate by 10%, it is **97, 11.148, 90.552**.

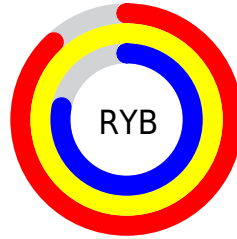
# Distribution



Red (100%)

Green (93%)

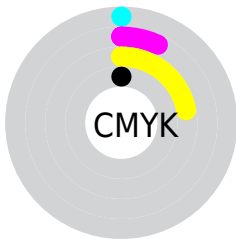
Blue (78%)



Red (88%)

Yellow (100%)

Blue (78%)

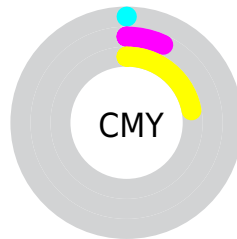


Cyan (0%)

Magenta (7%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 20.634, 89.256 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, 20.634, 89.256 by changing the saturation by 10% instead.



 94, 20.634, 89.256

 94, 20.634, 89.256

 100, 20.634,  
89.256

 84, 20.634, 89.256

 74, 20.634, 89.256

 64, 20.634, 89.256

 54, 20.634, 89.256

 44, 20.634, 89.256

 34, 20.634, 89.256

 24, 20.634, 89.256

 14, 20.634, 89.256

 4, 20.634, 89.256

94, 20.634, 89.256

94, 20.634, 89.256

92, 30.284, 87.926

97, 11.148, 90.552

89, 40.035, 86.547

99, 1.843, 91.681

87, 49.765, 85.124

100, 0.296,  
201.628

84, 59.234, 83.642

82, 68.003, 82.061

80, 75.346, 80.293

78, 80.303, 78.184

77, 82.358, 76.189

# Harmonies

# Complementary

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



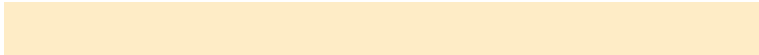
94, 20.634, 89.256



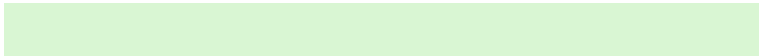
86, 20.600, 275.288

# Rectangle

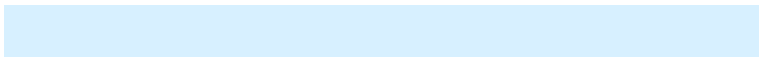
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 20.634, 89.256



94, 20.634, 139.256



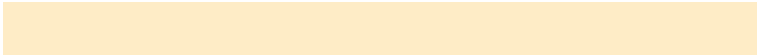
94, 20.634, 269.256



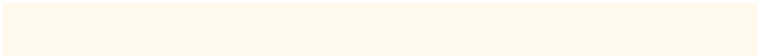
94, 20.634, 319.256

# Sweetspot

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



94, 20.635, 89.264



98, 6.474, 91.170



85, 22.753, 355.956



52, 4.210, 91.097



0, 0.000, 0.000

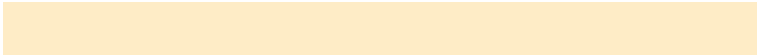


53, 0.007, 296.813

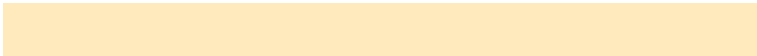


# Same Dimension

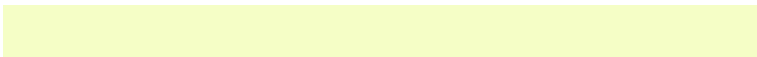
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 20.635, 89.264



93, 24.528, 88.736



98, 28.479, 115.093



52, 5.274, 90.865



59, 66.534, 76.711



19, 28.261, 79.469





# Inverse Universe

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



86, 20.600, 275.288



84, 24.477, 275.993



82, 29.917, 298.568



50, 5.279, 273.358



32, 80.496, 297.348



8, 32.300, 292.318



# Previews

## White Background



This preview shows how the CIELCh color 94, 20.634, 89.256 looks on a white background.

## Color Contrast Check

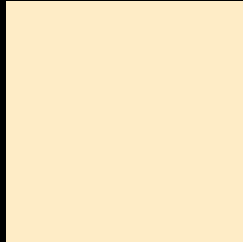
Large Text (above 18pt) WCAG AA × Fail

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, 20.634, 89.256 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

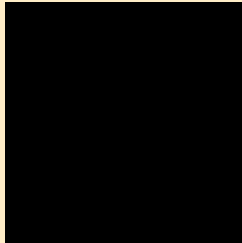
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 94, 20.634, 89.256

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 20.634, 89.256.

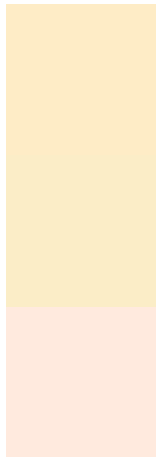


This preview shows how white text looks on a background with the CIELCh color 94, 20.634, 89.256.

# 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, 20.651, 89.245

### Protanopia

94, 20.170, 93.361

### Deuteranopia

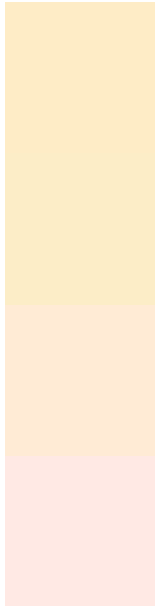
94, 9.870, 58.224



**Tritanopia**  
94, 11.186, 340.111



# Trichromacy



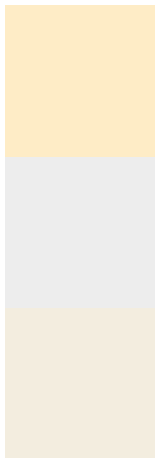
**Original Color**  
94, 20.651, 89.245

**Protanomaly**  
94, 20.275, 92.318

**Deuteranomaly**  
94, 13.530, 75.843

**Tritanomaly**  
94, 8.404, 37.576

# Monochromacy



**Original Color**  
94, 20.651, 89.245

**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, 20.634, 89.256 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, 236, 198)` looks like.

```
.text, #text, p{  
    color:rgb(254, 236, 198)  
}
```

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, 236, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 236, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 94, 20.634, 89.256 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, 236, 198) }
```

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

```
.border{ border-color:rgb(254, 236, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 236, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 236, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 236, 198);  
box-shadow:4px 4px 4px 4px rgb(254, 236,  
198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 94, 20.634, 89.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 236, 198) }
```

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

```
.background{ background-color: rgb(254,  
236, 198) }
```

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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