

# Converting Colors

CIELCh(94, 20.970, 90.239)

Have a look what the booklet for  
CIELCh(94, 20.970, 90.239) contains.

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# **Color**

**CIELCh(94, 20.651, 89.245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEECC6
RGB	254, 236, 198
RGB Percent	100%, 93%, 78%
CMY	0.0033, 0.0738, 0.2229
CMYK	0.00, 0.07, 0.22, 0.00
HSL	41°, 97%, 89%
HSV	41°, 22%, 100%
XYZ	81.1877, 85.2715, 65.7016
YIQ	237.0500, 22.9260, -8.0020

# Conversions

## Conversions Part 2

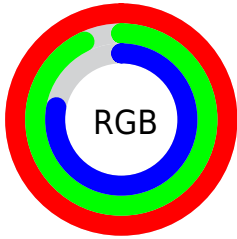
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 254, 198
Decimal	16706758
CIE Lab	94.00, 0.27, 20.65
CIE LCh	94, 20.651, 89.245
Yxy	85.2715, 0.3497, 0.3673
Android (android.graphics.Color)	4294896838 (0xFFFECC6)
YUV	237.0500, -19.2516, 14.8652
Hunter-Lab	92.3426, -4.6622, 22.4551

# Details

The CIELCh color **94, 20.651, 89.245** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **86, 20.616, 275.283**, 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, 30.301, 87.915**, and if you desaturate by 10%, it is **97, 11.165, 90.542**.

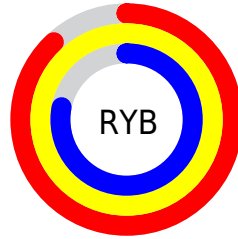
# Distribution



Red (100%)

Green (93%)

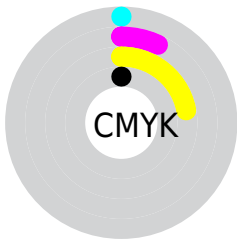
Blue (78%)



Red (88%)

Yellow (100%)

Blue (78%)

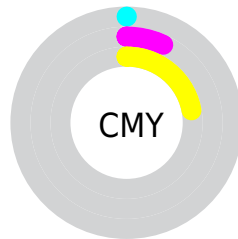


Cyan (0%)

Magenta (7%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 94, 20.651, 89.245 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, 20.651, 89.245 by changing the saturation by 10% instead.



 94, 20.651, 89.245

 94, 20.651, 89.245

 100, 20.651,  
89.245

 84, 20.651, 89.245

 74, 20.651, 89.245

 64, 20.651, 89.245

 54, 20.651, 89.245

 44, 20.651, 89.245

 34, 20.651, 89.245

 24, 20.651, 89.245

 14, 20.651, 89.245

 4, 20.651, 89.245

94, 20.651, 89.245

94, 20.651, 89.245

92, 30.301, 87.915

97, 11.165, 90.542

89, 40.052, 86.536

99, 1.860, 91.672

87, 49.782, 85.113

100, 0.289,  
201.680

84, 59.251, 83.630

82, 68.019, 82.049

80, 75.360, 80.280

78, 80.313, 78.170

77, 82.362, 76.178

# Harmonies

# Complementary

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



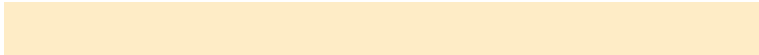
94, 20.651, 89.245



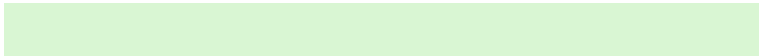
86, 20.616, 275.283

# Rectangle

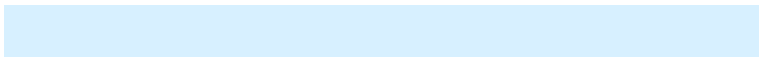
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 20.651, 89.245



94, 20.651, 139.245



94, 20.651, 269.245



94, 20.651, 319.245

# Sweetspot

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



94, 20.652, 89.253



98, 6.473, 91.161



85, 22.774, 355.958



52, 4.209, 91.089



0, 0.000, 0.000

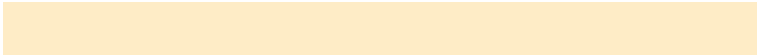


53, 0.007, 296.813

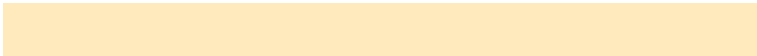


# Same Dimension

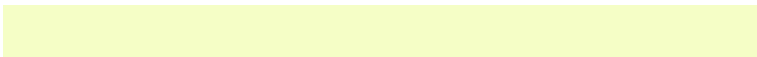
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94, 20.652, 89.253



93, 24.525, 88.727



98, 28.504, 115.092



52, 5.273, 90.857



59, 66.533, 76.701



19, 28.260, 79.459





# Inverse Universe

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



86, 20.616, 275.283



84, 24.474, 275.985



82, 29.946, 298.569



50, 5.278, 273.349



32, 80.482, 297.342



8, 32.295, 292.312



# Previews

## White Background



This preview shows how the CIE LCh color 94, 20.651, 89.245 looks on a white background.

## Color Contrast Check

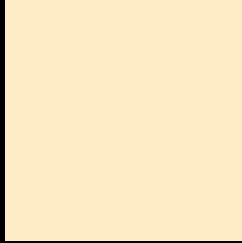
Large Text (above 18pt) WCAG AA × Fail

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, 20.651, 89.245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

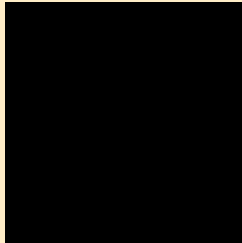
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 94, 20.651, 89.245

## Background



This preview shows how black text looks on a background with the CIELCh color 94, 20.651, 89.245.

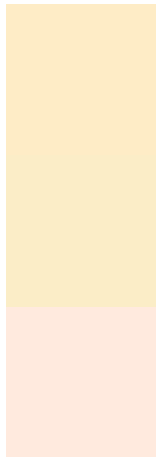


This preview shows how white text looks on a background with the CIELCh color 94, 20.651, 89.245.

# 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

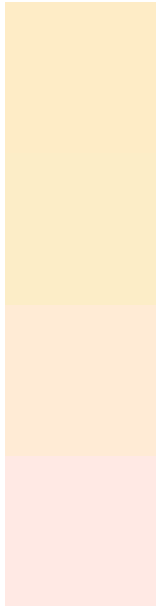
94, 9.870, 58.224



**Tritanopia**  
94, 11.186, 340.111



# Trichromacy



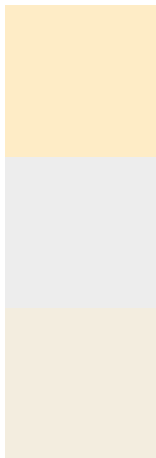
**Original Color**  
94, 20.651, 89.245

**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, 20.651, 89.245 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, 20.651, 89.245 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, 20.651, 89.245 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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