

Converting Colors

CIELCh(100, 34.207, 37.015)

Have a look what the booklet for
CIELCh(100, 34.207, 37.015)
contains.

CIELCh(94, 12.251, 72.118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(94, 12.251, 72.118)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBD8
RGB	255, 235, 216
RGB Percent	100%, 92%, 85%
CMY	0.0018, 0.0802, 0.1547
CMYK	0.00, 0.08, 0.15, 0.00
HSL	29°, 98%, 92%
HSV	29°, 15%, 100%
XYZ	82.9925, 85.2715, 76.7540
YIQ	238.8140, 18.0190, -1.6690

Conversions

Conversions Part 2

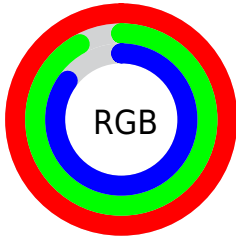
Format	Color
R _Y B	255, 253, 216
Decimal	16772056
CIE Lab	94.00, 3.76, 11.66
CIE LCh	94, 12.251, 72.118
Yxy	85.2715, 0.3387, 0.3480
Android (android.graphics.Color)	4294962136 (0xFFFFEBD8)
YUV	238.8140, -11.2473, 14.1951
Hunter-Lab	92.3426, -1.1735, 15.3587

Details

The CIELCh color **94, 12.251, 72.118** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 11.740, 256.170**, 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, 12.280, 71.664** is the 20% darker color. If you saturate the color by 10%, you get **90, 20.765, 70.906**, and if you desaturate by 10%, it is **98, 4.146, 73.284**.

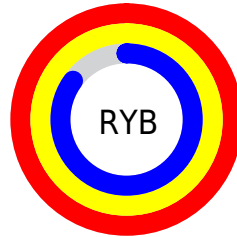
Distribution



Red (100%)

Green (92%)

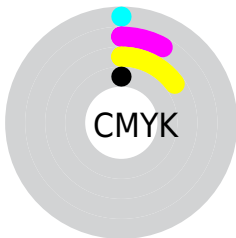
Blue (85%)



Red (100%)

Yellow (99%)

Blue (85%)

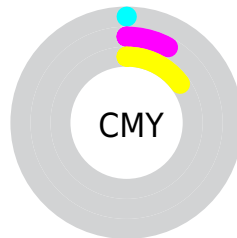


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 94, 12.251, 72.118 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, 12.251, 72.118 by changing the saturation by 10% instead.

 94, 12.251, 72.118

 94, 12.251, 72.118

 100, 12.251,
72.118

 84, 12.251, 72.118

 74, 12.251, 72.118

 64, 12.251, 72.118

 54, 12.251, 72.118

 44, 12.251, 72.118

 34, 12.251, 72.118

 24, 12.251, 72.118

 14, 12.251, 72.118

 4, 12.251, 72.118

94, 12.251, 72.118

94, 12.251, 72.118

90, 20.765, 70.906

98, 4.146, 73.284

87, 29.707, 69.664

100, 0.157,
203.624

83, 39.073, 68.415

80, 48.802, 67.151

76, 58.719, 65.838

73, 68.429, 64.388

70, 77.149, 62.599

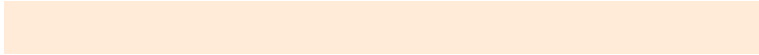
67, 83.655, 60.115

66, 85.969, 58.755

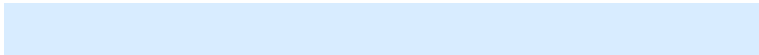
Harmonies

Complementary

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



94, 12.251, 72.118



92, 11.740, 256.170

Rectangle

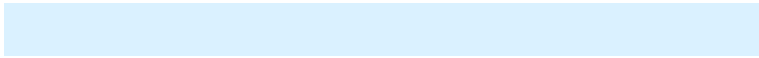
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94, 12.251, 72.118



94, 12.251, 122.118



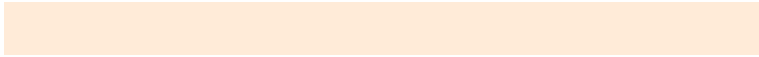
94, 12.251, 252.118



94, 12.251, 302.118

Sweetspot

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



94, 12.252, 72.132



98, 3.902, 73.315



90, 17.472, 344.047



52, 2.667, 73.245



0, 0.000, 0.000



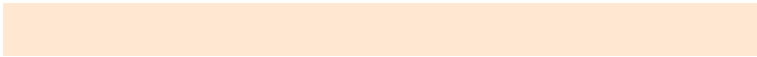
53, 0.007, 296.813

Same Dimension

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



94, 12.252, 72.132



93, 14.517, 71.805



99, 19.393, 107.995



51, 4.489, 72.822



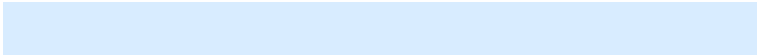
51, 69.063, 59.462



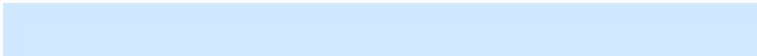
16, 27.024, 60.566

Inverse Universe

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



92, 11.740, 256.170



91, 13.793, 256.594



87, 20.067, 291.210



51, 4.381, 255.331



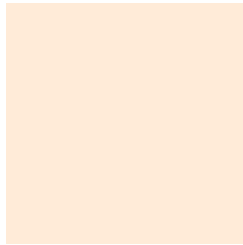
42, 56.840, 282.916



12, 23.196, 276.262

Previews

White Background



This preview shows how the CIE LCh color 94, 12.251, 72.118 looks on a white background.

Color Contrast Check

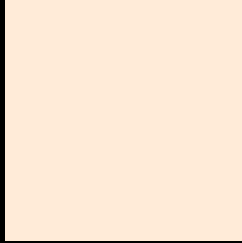
Large Text (above 18pt) WCAG AA × Fail

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, 12.251, 72.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

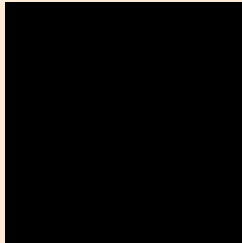
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 94, 12.251, 72.118

Background



This preview shows how black text looks on a background with the CIELCh color 94, 12.251, 72.118.

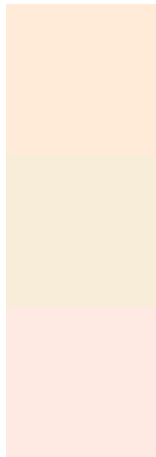


This preview shows how white text looks on a background with the CIELCh color 94, 12.251, 72.118.

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, 12.251, 72.118

Protanopia

94, 10.882, 89.574

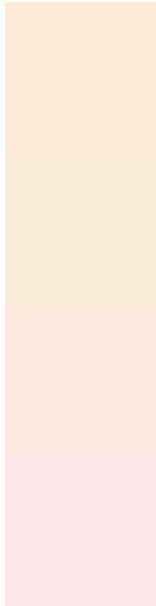
Deuteranopia

94, 8.586, 40.797



Tritanopia
94, 11.519, 338.149

Trichromacy



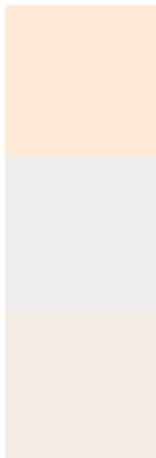
Original Color
94, 12.251, 72.118

Protanomaly
94, 11.480, 82.555

Deuteranomaly
94, 9.547, 55.889

Tritanomaly
94, 8.429, 9.416

Monochromacy



Original Color
94, 12.251, 72.118

Achromatopsia
94, 0.011, 296.813

Achromatomaly
94, 4.365, 74.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 94, 12.251, 72.118 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 94, 12.251, 72.118 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, 216) }
```

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

```
.border{ border-color:rgb(255, 235, 216) }
```

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, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 94, 12.251, 72.118 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
235, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor