

Converting Colors

CIE LCh(97, 10.132, 89.282)

Have a look what the booklet for
CIELCh(97, 10.132, 89.282) contains.

CIELCh(97, 10.200, 90.667)	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(97, 10.200, 90.667)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6E3
RGB	255, 246, 227
RGB Percent	100%, 96%, 89%
CMY	0.0013, 0.0365, 0.1110
CMYK	0.00, 0.04, 0.11, 0.00
HSL	41°, 98%, 94%
HSV	41°, 11%, 100%
XYZ	87.7975, 92.4403, 85.6574
YIQ	246.5250, 11.4630, -4.0010

Conversions

Conversions Part 2

Format	Color
R_{YB}	240, 255, 227
Decimal	16774883
CIE Lab	97.00, -0.12, 10.20
CIE LCh	97, 10.200, 90.667
Yxy	92.4403, 0.3302, 0.3477
Android (android.graphics.Color)	4294964963 (0xFFFFF6E3)
YUV	246.5250, -9.6258, 7.4326
Hunter-Lab	96.1459, -5.2545, 14.4800

Details

The CIELCh color **97, 10.200, 90.667** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 10.206, 273.565**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 10.090, 91.490** is the 20% darker color. If you saturate the color by 10%, you get **94, 19.687, 89.398**, and if you desaturate by 10%, it is **100, 0.901, 91.649**.

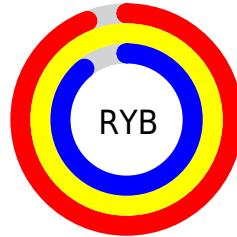
Distribution



Red (100%)

Green (96%)

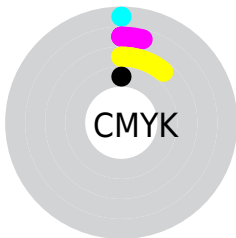
Blue (89%)



Red (94%)

Yellow (100%)

Blue (89%)

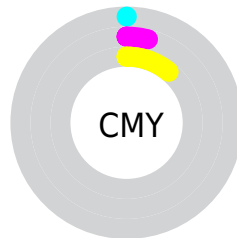


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 10.200, 90.667 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 97, 10.200, 90.667 by changing the saturation by 10% instead.

 97, 10.200, 90.667

 97, 10.200, 90.667

 100, 10.200,
90.667

 87, 10.200, 90.667

 77, 10.200, 90.667

 67, 10.200, 90.667

 57, 10.200, 90.667

 47, 10.200, 90.667

 37, 10.200, 90.667

 27, 10.200, 90.667

 17, 10.200, 90.667

 7, 10.200, 90.667

97, 10.200, 90.667

97, 10.200, 90.667

94, 19.687, 89.398

100, 0.901, 91.649

92, 29.337, 88.065

100, 0.113,
205.267

89, 39.098, 86.690

87, 48.855, 85.272

85, 58.383, 83.797

83, 67.265, 82.228

80, 74.808, 80.485

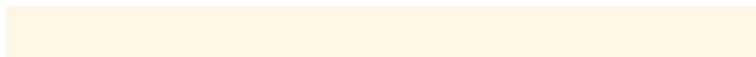
78, 80.059, 78.420

77, 82.487, 76.186

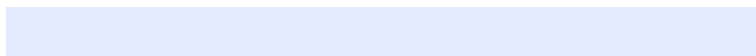
Harmonies

Complementary

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



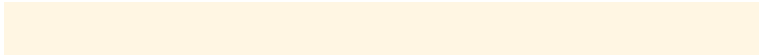
97, 10.200, 90.667



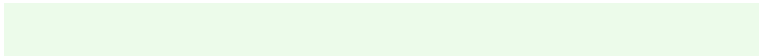
93, 10.206, 273.565

Rectangle

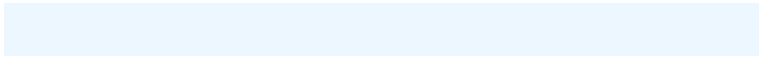
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 10.200, 90.667



97, 10.200, 140.667



97, 10.200, 270.667



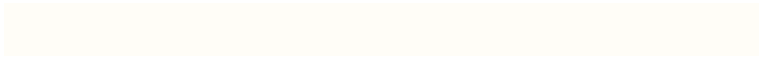
97, 10.200, 320.667

Sweetspot

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



97, 10.201, 90.681



99, 2.757, 91.610



93, 11.163, 354.699



53, 2.094, 91.532



0, 0.000, 0.000



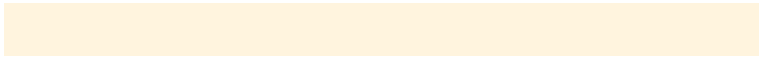
53, 0.007, 296.813

Same Dimension

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



97, 10.201, 90.681



97, 12.105, 90.428



99, 14.288, 115.908



52, 5.274, 90.865



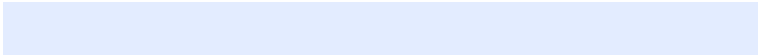
59, 66.534, 76.711



19, 28.261, 79.469

Inverse Universe

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



93, 10.206, 273.565



92, 12.104, 273.856



91, 14.641, 297.559



50, 5.279, 273.358



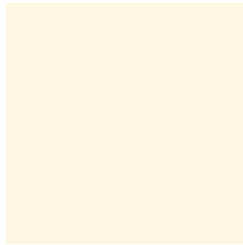
32, 80.496, 297.348



8, 32.300, 292.318

Previews

White Background



This preview shows how the CIELCh color 97, 10.200, 90.667 looks on a white background.

Color Contrast Check

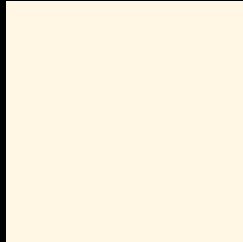
Large Text (above 18pt) WCAG AA × Fail

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 97, 10.200, 90.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

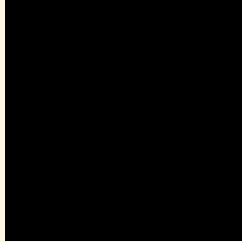
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 10.200, 90.667

Background



This preview shows how black text looks on a background with the CIELCh color 97, 10.200, 90.667.

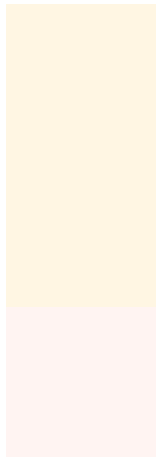


This preview shows how white text looks on a background with the CIELCh color 97, 10.200, 90.667.

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

97, 10.200, 90.667

Protanopia

97, 10.200, 90.667

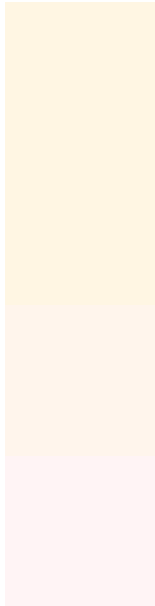
Deuteranopia

97, 4.038, 34.110



Tritanopia
97, 7.476, 324.660

Trichromacy



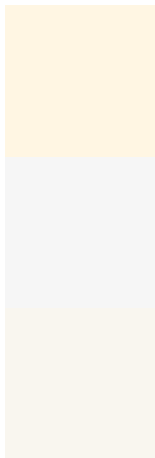
Original Color
97, 10.200, 90.667

Protanomaly
97, 10.200, 90.667

Deuteranomaly
97, 5.805, 71.549

Tritanomaly
97, 3.938, 12.069

Monochromacy



Original Color
97, 10.200, 90.667

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 3.708, 93.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 10.200, 90.667 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, 246, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 227)  
}
```

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, 246, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 10.200, 90.667 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, 246, 227) }
```

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

```
.border{ border-color:rgb(255, 246, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 246, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 10.200, 90.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 227) }
```

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

```
.background{ background-color: rgb(255,  
246, 227) }
```

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