

Converting Colors

CIELCh(98, 11.521, 45.784)

Have a look what the booklet for
CIELCh(98, 11.521, 45.784) contains.

CIELCh(97, 6.439, 71.741)	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, 6.439, 71.741)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5EB
RGB	255, 245, 235
RGB Percent	100%, 96%, 92%
CMY	0.0000, 0.0406, 0.0799
CMYK	0.00, 0.04, 0.08, 0.00
HSL	29°, 100%, 96%
HSV	29°, 8%, 100%
XYZ	88.9580, 92.4403, 91.4690
YIQ	246.8500, 9.1700, -0.9900

Conversions

Conversions Part 2

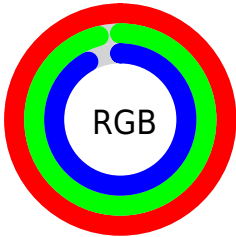
Format	Color
R _Y B	255, 255, 235
Decimal	16774635
CIE Lab	97.00, 2.02, 6.11
CIE LCh	97, 6.439, 71.741
Yxy	92.4403, 0.3260, 0.3388
Android (android.graphics.Color)	4294964715 (0xFFFFF5EB)
YUV	246.8500, -5.8420, 7.1476
Hunter-Lab	96.1459, -3.0999, 10.8962

Details

The CIELCh color **97, 6.439, 71.741** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 6.181, 255.578**, 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, 6.333, 76.976** is the 20% darker color. If you saturate the color by 10%, you get **93, 14.540, 72.239**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

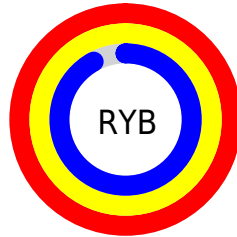
Distribution



Red (100%)

Green (96%)

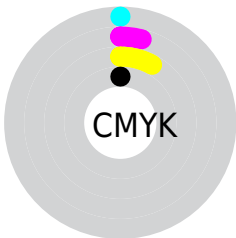
Blue (92%)



Red (100%)

Yellow (100%)

Blue (92%)

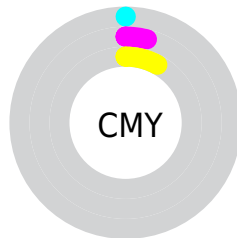


Cyan (0%)

Magenta (4%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 6.439, 71.741 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, 6.439, 71.741 by changing the saturation by 10% instead.

 97, 6.439, 71.741	 97, 6.439, 71.741
 100, 6.439, 71.741	 87, 6.439, 71.741
	 77, 6.439, 71.741
	 67, 6.439, 71.741
	 57, 6.439, 71.741
	 47, 6.439, 71.741
	 37, 6.439, 71.741
	 27, 6.439, 71.741
	 17, 6.439, 71.741
	 7, 6.439, 71.741

97, 6.439, 71.741

97, 6.439, 71.741

93, 14.540, 72.239

100, 0.012,
296.813

89, 23.189, 71.000

86, 32.265, 69.746

82, 41.748, 68.482

79, 51.553, 67.197

76, 61.455, 65.844

73, 70.972, 64.312

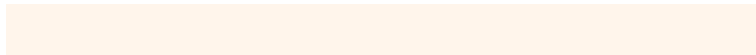
70, 79.187, 62.360

67, 84.923, 59.643

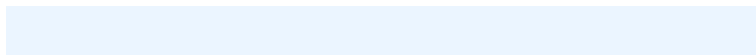
Harmonies

Complementary

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



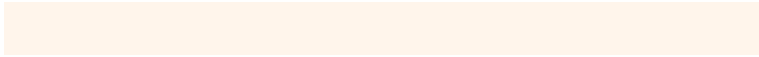
97, 6.439, 71.741



96, 6.181, 255.578

Rectangle

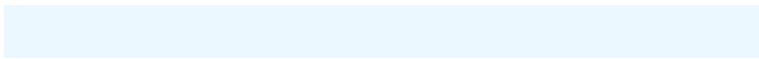
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 6.439, 71.741



97, 6.439, 121.741



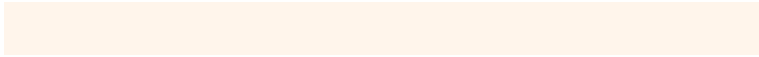
97, 6.439, 251.741



97, 6.439, 301.741

Sweetspot

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



97, 6.300, 73.435



99, 1.549, 73.946



95, 9.054, 343.371



53, 0.880, 73.943



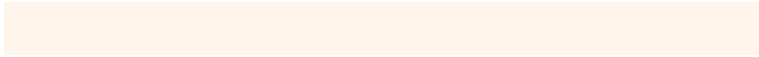
0, 0.000, 0.000



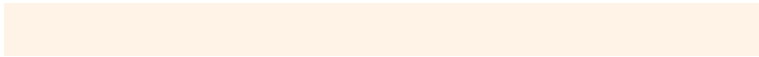
53, 0.007, 296.813

Same Dimension

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



97, 6.300, 73.435



96, 7.926, 73.203



99, 10.142, 108.719



51, 4.500, 73.260



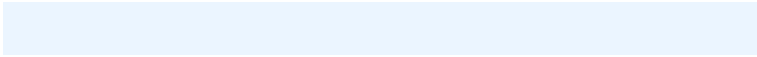
51, 68.943, 59.787



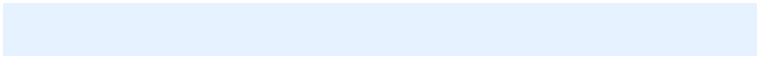
16, 27.018, 60.966

Inverse Universe

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



96, 6.181, 255.578



95, 7.728, 255.845



94, 10.334, 290.349



51, 4.395, 255.778



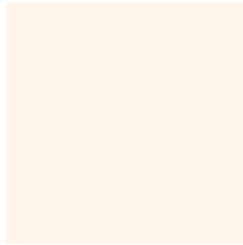
42, 57.304, 283.326



12, 23.365, 276.703

Previews

White Background



This preview shows how the CIE LCh color 97, 6.439, 71.741 looks on a white background.

Color Contrast Check

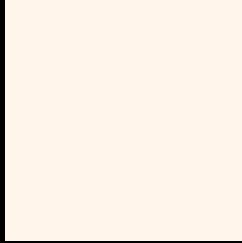
Large Text (above 18pt) WCAG AA × Fail

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, 6.439, 71.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

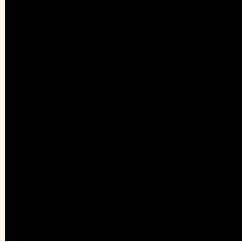
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 6.439, 71.741

Background



This preview shows how black text looks on a background with the CIELCh color 97, 6.439, 71.741.

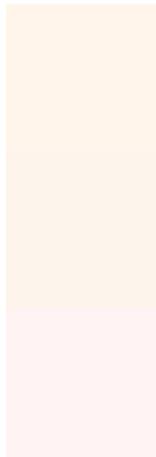


This preview shows how white text looks on a background with the CIELCh color 97, 6.439, 71.741.

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, 6.218, 74.387

Protanopia

97, 5.831, 80.220

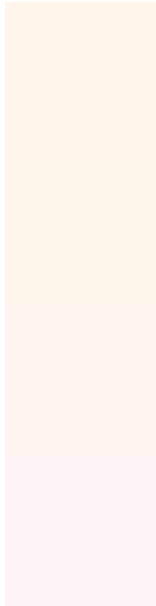
Deuteranopia

97, 3.939, 26.928



Tritanopia
97, 7.283, 322.376

Trichromacy



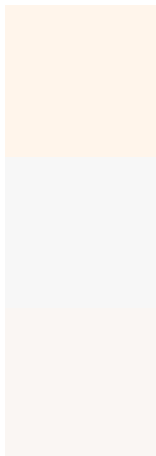
Original Color
97, 6.218, 74.387

Protanomaly
97, 6.016, 77.211

Deuteranomaly
97, 4.410, 47.004

Tritanomaly
97, 4.098, 349.637

Monochromacy



Original Color
97, 6.218, 74.387

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 2.067, 66.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 6.439, 71.741 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, 245, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 235)  
}
```

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, 245, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 6.439, 71.741 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, 245, 235) }
```

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

```
.border{ border-color:rgb(255, 245, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 6.439, 71.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 235) }
```

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

```
.background{ background-color: rgb(255,  
245, 235) }
```

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