

Converting Colors

CIELCh(100, 17.698, 48.103)

Have a look what the booklet for
CIELCh(100, 17.698, 48.103)
contains.

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Color

CIELCh(97, 8.760, 87.657)

Conversions

Conversions Part 1

Format	Color
Hex	FEF5E5
RGB	254, 245, 229
RGB Percent	100%, 96%, 90%
CMY	0.0021, 0.0373, 0.1000
CMYK	0.00, 0.04, 0.10, 0.00
HSL	38°, 96%, 95%
HSV	38°, 10%, 100%
XYZ	88.0557, 92.4403, 87.6867
YIQ	245.8670, 10.5000, -3.0680

Conversions

Conversions Part 2

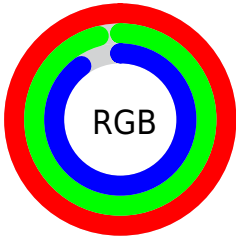
Format	Color
R _Y B	243, 254, 229
Decimal	16709093
CIE Lab	97.00, 0.36, 8.75
CIE LCh	97, 8.760, 87.657
Yxy	92.4403, 0.3283, 0.3447
Android (android.graphics.Color)	4294899173 (0xFFFEF5E5)
YUV	245.8670, -8.3154, 7.1326
Hunter-Lab	96.1459, -4.7752, 13.2286

Details

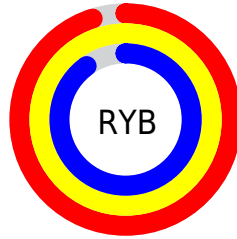
The CIELCh color $97, 8.760, 87.657$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94, 8.731, 270.302$, and the grayscale version is $97, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $77, 8.578, 88.466$ is the 20% darker color. If you saturate the color by 10%, you get $94, 17.916, 86.380$, and if you desaturate by 10%, it is $100, 0.170, 270.814$.

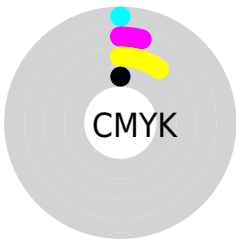
Distribution



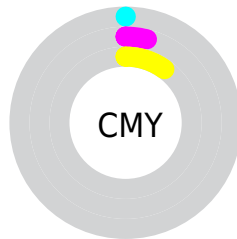
- Red (100%)
- Green (96%)
- Blue (90%)



- Red (95%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (4%)
- Yellow (10%)
- Black (0%)









- Cyan (0%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 8.760, 87.657 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, 8.760, 87.657 by changing the saturation by 10% instead.

 97, 8.760, 87.657	 97, 8.760, 87.657
 100, 8.760, 87.657	 87, 8.760, 87.657
	 77, 8.760, 87.657
	 67, 8.760, 87.657
	 57, 8.760, 87.657
	 47, 8.760, 87.657
	 37, 8.760, 87.657
	 27, 8.760, 87.657
	 17, 8.760, 87.657
	 7, 8.760, 87.657

97, 8.760, 87.657

97, 8.760, 87.657

94, 17.916, 86.380

100, 0.170,
270.814

91, 27.287, 85.033

100, 0.181,
203.048

89, 36.839, 83.642

86, 46.483, 82.208

84, 56.034, 80.714

81, 65.128, 79.121

79, 73.125, 77.337

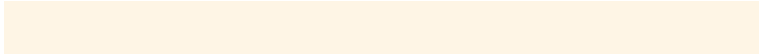
77, 79.071, 75.194

74, 82.347, 72.531

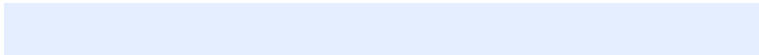
Harmonies

Complementary

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



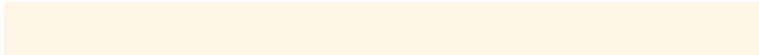
97, 8.760, 87.657



94, 8.731, 270.302

Rectangle

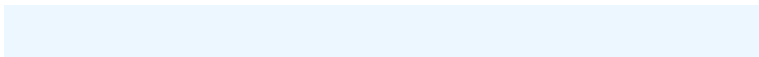
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 8.760, 87.657



97, 8.760, 137.657



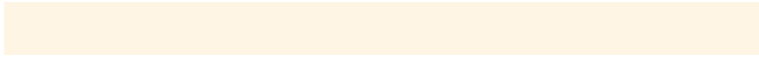
97, 8.760, 267.657



97, 8.760, 317.657

Sweetspot

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



97, 8.761, 87.673



99, 2.651, 88.460



93, 10.130, 352.379



53, 2.013, 88.384



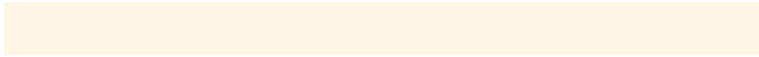
0, 0.000, 0.000



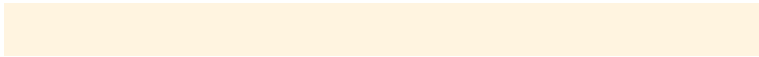
53, 0.007, 296.813

Same Dimension

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



97, 8.761, 87.673



97, 10.756, 87.397



99, 12.723, 114.654



52, 5.079, 87.713



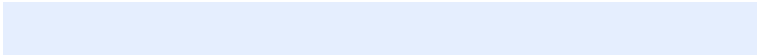
57, 66.454, 73.068



19, 27.769, 75.809

Inverse Universe

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



94, 8.731, 270.302



93, 10.699, 270.616



92, 13.012, 296.215



50, 5.062, 270.258



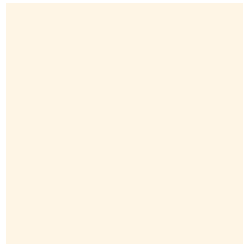
34, 75.656, 295.148



9, 30.346, 289.779

Previews

White Background



This preview shows how the CIELCh color 97, 8.760, 87.657 looks on a white background.

Color Contrast Check

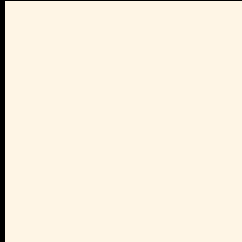
Large Text (above 18pt) WCAG AA × Fail

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, 8.760, 87.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

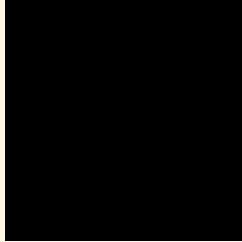
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 8.760, 87.657

Background



This preview shows how black text looks on a background with the CIELCh color 97, 8.760, 87.657.

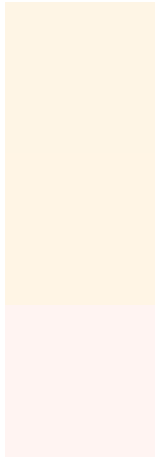


This preview shows how white text looks on a background with the CIELCh color 97, 8.760, 87.657.

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, 8.767, 87.652

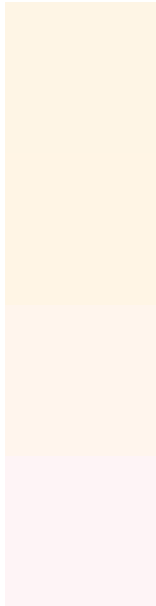
Protanopia
97, 8.908, 85.466

Deuteranopia
97, 4.038, 34.110



Tritanopia
97, 7.283, 322.376

Trichromacy



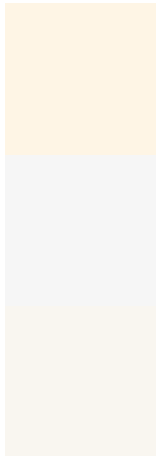
Original Color
97, 8.767, 87.652

Protanomaly
97, 8.908, 85.466

Deuteranomaly
97, 5.409, 68.280

Tritanomaly
97, 3.694, 3.444

Monochromacy



Original Color
97, 8.767, 87.652

Achromatopsia
97, 0.011, 296.813

Achromatomaly
97, 3.222, 90.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 8.760, 87.657 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, 245, 229)` looks like.

```
.text, #text, p{  
    color:rgb(254, 245, 229)  
}
```

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, 245, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 245, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 8.760, 87.657 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, 245, 229) }
```

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

```
.border{ border-color:rgb(254, 245, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 245, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 245, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 245, 229);  
box-shadow:4px 4px 4px 4px rgb(254, 245,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 8.760, 87.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 245, 229) }
```

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

```
.background{ background-color: rgb(254,  
245, 229) }
```

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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