

Converting Colors

CIELCh(100, 16.376, 50.439)

Have a look what the booklet for
CIELCh(100, 16.376, 50.439)
contains.

CIELCh(97, 8.625, 89.914)	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, 8.625, 89.914)

Conversions

Conversions Part 1

Format	Color
Hex	FEF6E6
RGB	254, 246, 230
RGB Percent	100%, 96%, 90%
CMY	0.0051, 0.0364, 0.0991
CMYK	0.00, 0.03, 0.09, 0.01
HSL	40°, 90%, 95%
HSV	40°, 9%, 99%
XYZ	87.8687, 92.4403, 87.8673
YIQ	246.5680, 9.9040, -3.2800

Conversions

Conversions Part 2

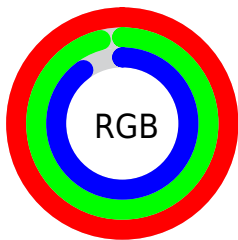
Format	Color
R _Y B	242, 254, 230
Decimal	16709350
CIE Lab	97.00, 0.01, 8.62
CIE LCh	97, 8.625, 89.914
Yxy	92.4403, 0.3277, 0.3447
Android (android.graphics.Color)	4294899430 (0xFFFEF6E6)
YUV	246.5680, -8.1680, 6.5179
Hunter-Lab	96.1459, -5.1222, 13.1172

Details

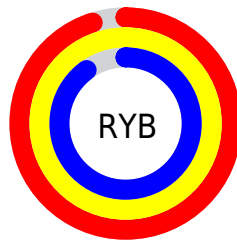
The CIELCh color **97, 8.625, 89.914** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 8.624, 272.425**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **77, 8.441, 90.920** is the 20% darker color. If you saturate the color by 10%, you get **94, 17.958, 88.651**, and if you desaturate by 10%, it is **100, 0.466, 270.007**.

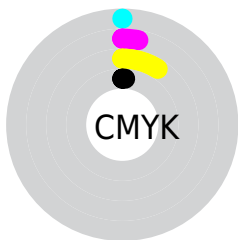
Distribution



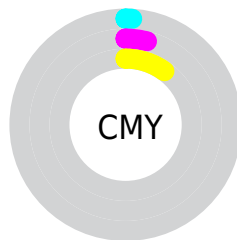
- Red (100%)
- Green (96%)
- Blue (90%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (9%)
- Black (1%)

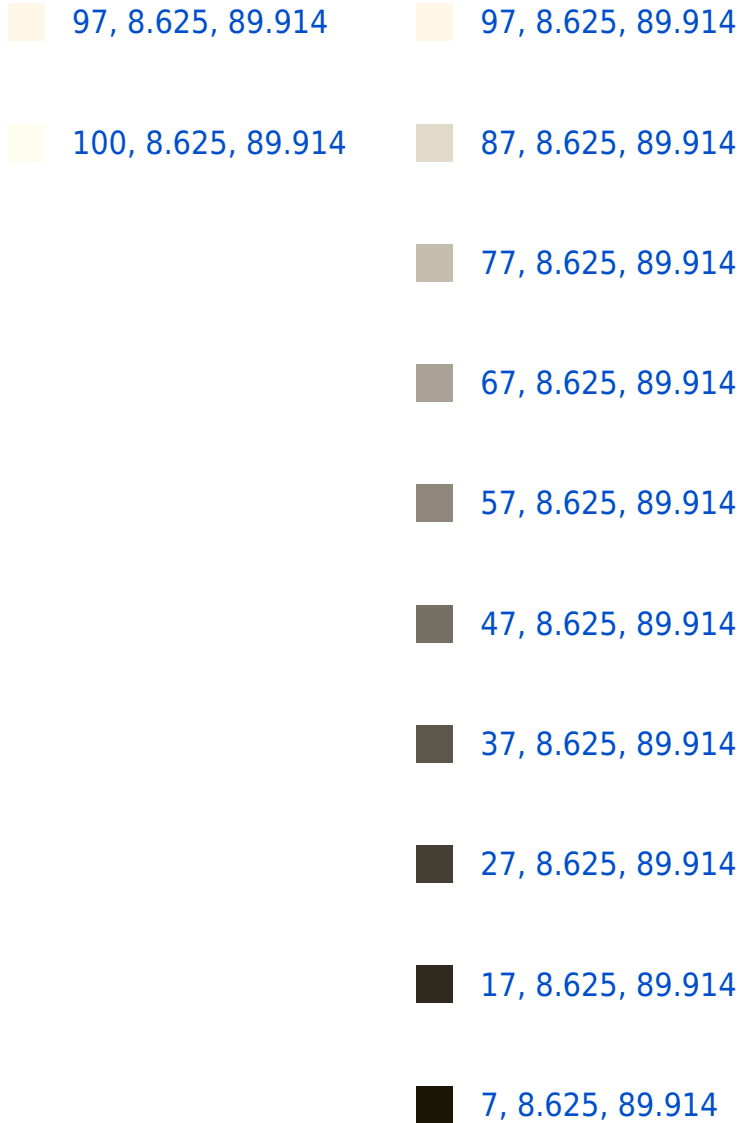


- Cyan (1%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 8.625, 89.914 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, 8.625, 89.914 by changing the saturation by 10% instead.



97, 8.625, 89.914

97, 8.625, 89.914

94, 17.958, 88.651

100, 0.466,
270.007

92, 27.472, 87.318

100, 0.454,
200.836

89, 37.128, 85.942

87, 46.826, 84.522

84, 56.371, 83.047

82, 65.392, 81.483

80, 73.249, 79.751

78, 79.012, 77.706

76, 82.050, 75.195

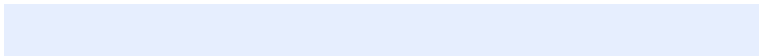
Harmonies

Complementary

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



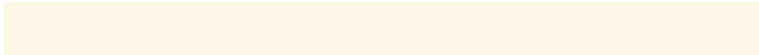
97, 8.625, 89.914



94, 8.624, 272.425

Rectangle

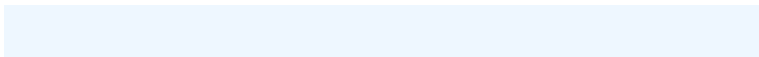
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97, 8.625, 89.914



97, 8.625, 139.914



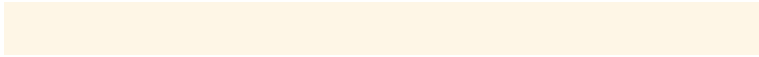
97, 8.625, 269.914



97, 8.625, 319.914

Sweetspot

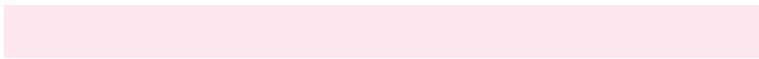
The Sweet Spot groups the original color and five complimentary colors.



97, 8.626, 89.930



99, 2.724, 90.669



93, 9.540, 354.533



53, 2.068, 90.592



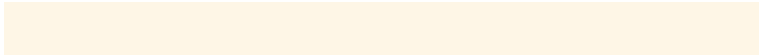
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

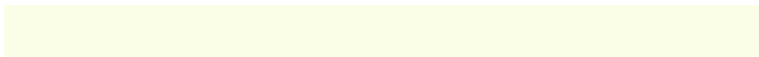
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97, 8.626, 89.930



97, 10.103, 89.736



99, 12.248, 116.021



52, 5.212, 89.923



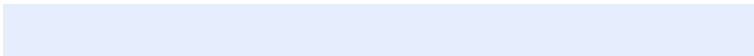
58, 66.476, 75.592



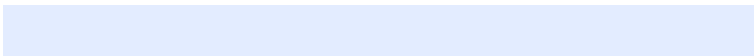
19, 28.098, 78.360

Inverse Universe

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



94, 8.624, 272.425



93, 10.093, 272.643



92, 12.511, 297.430



50, 5.211, 272.433



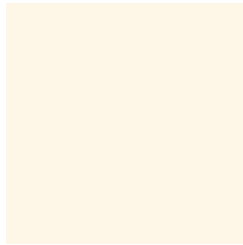
33, 79.019, 296.704



8, 31.697, 291.569

Previews

White Background



This preview shows how the CIELCh color 97, 8.625, 89.914 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 97, 8.625, 89.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

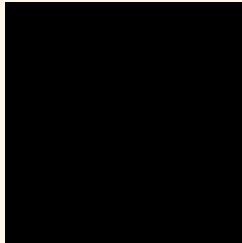
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 97, 8.625, 89.914

Background



This preview shows how black text looks on a background with the CIELCh color 97, 8.625, 89.914.

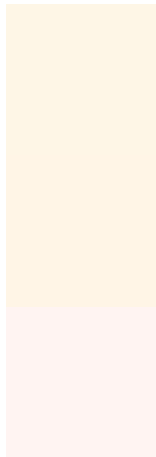


This preview shows how white text looks on a background with the CIELCh color 97, 8.625, 89.914.

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, 8.632, 89.909

Protanopia

97, 8.442, 84.126

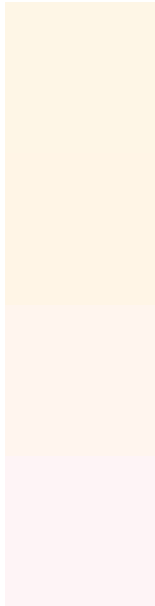
Deuteranopia

97, 4.038, 34.110



Tritanopia
97, 7.283, 322.376

Trichromacy



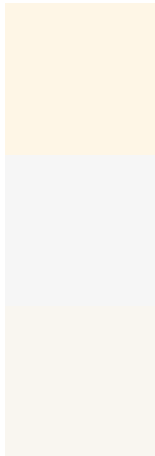
Original Color
97, 8.632, 89.909

Protanomaly
97, 8.442, 84.126

Deuteranomaly
97, 5.034, 64.504

Tritanomaly
97, 3.694, 3.444

Monochromacy



Original Color
97, 8.632, 89.909

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, 8.625, 89.914 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, 246, 230)` looks like.

```
.text, #text, p{  
    color:rgb(254, 246, 230)  
}
```

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, 246, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 246, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 8.625, 89.914 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, 246, 230) }
```

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

```
.border{ border-color:rgb(254, 246, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 246, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 246, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 246, 230);  
box-shadow:4px 4px 4px 4px rgb(254, 246,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 8.625, 89.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 246, 230) }
```

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

```
.background{ background-color: rgb(254,  
246, 230) }
```

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