

Converting Colors

CIELCh(96, 12.646, 89.506)

Have a look what the booklet for
CIELCh(96, 12.646, 89.506) contains.

CIELCh(96, 12.888, 90.875)	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(96, 12.888, 90.875)

Conversions

Conversions Part 1

Format	Color
Hex	FEF3DB
RGB	254, 243, 219
RGB Percent	100%, 95%, 86%
CMY	0.0052, 0.0483, 0.1424
CMYK	0.00, 0.04, 0.14, 0.01
HSL	41°, 93%, 93%
HSV	41°, 14%, 99%
XYZ	85.4451, 90.0078, 79.6631
YIQ	243.5530, 14.2600, -5.1320

Conversions

Conversions Part 2

Format	Color
R _Y B	235, 254, 219
Decimal	16708571
CIE Lab	96.00, -0.20, 12.89
CIE LCh	96, 12.888, 90.875
Yxy	90.0078, 0.3349, 0.3528
Android (android.graphics.Color)	4294898651 (0xFFFEF3DB)
YUV	243.5530, -12.1046, 9.1620
Hunter-Lab	94.8724, -5.2640, 16.6257

Details

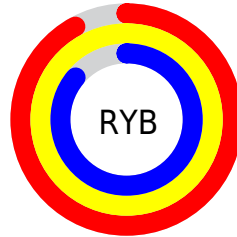
The CIELCh color **96, 12.888, 90.875** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 12.900, 274.516**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 12.921, 91.396** is the 20% darker color. If you saturate the color by 10%, you get **94, 22.449, 89.592**, and if you desaturate by 10%, it is **99, 3.503, 92.088**.

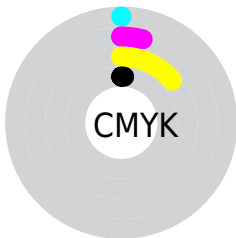
Distribution



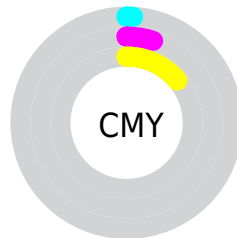
- Red (100%)
- Green (95%)
- Blue (86%)



- Red (92%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (4%)
- Yellow (14%)
- Black (1%)



- Cyan (1%)
- Magenta (5%)
- Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 12.888, 90.875 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 96, 12.888, 90.875 by changing the saturation by 10% instead.

 96, 12.888, 90.875

 96, 12.888, 90.875

 100, 12.888,
90.875

 86, 12.888, 90.875

 76, 12.888, 90.875

 66, 12.888, 90.875

 56, 12.888, 90.875

 46, 12.888, 90.875

 36, 12.888, 90.875

 26, 12.888, 90.875

 16, 12.888, 90.875

 6, 12.888, 90.875

96, 12.888, 90.875

96, 12.888, 90.875

94, 22.449, 89.592

99, 3.503, 92.088

91, 32.153, 88.253

100, 0.464,
200.805

89, 41.931, 86.872

86, 51.640, 85.447

84, 61.008, 83.960

82, 69.547, 82.366

80, 76.478, 80.571

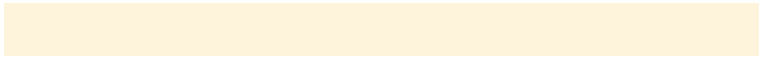
78, 80.846, 78.416

77, 82.291, 76.877

Harmonies

Complementary

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



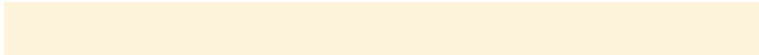
96, 12.888, 90.875



91, 12.900, 274.516

Rectangle

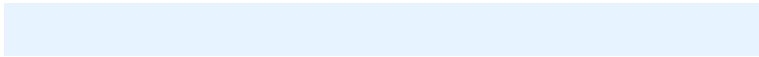
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 12.888, 90.875



96, 12.888, 140.875



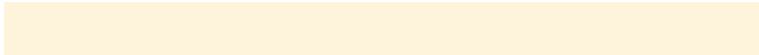
96, 12.888, 270.875



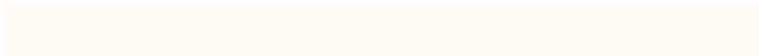
96, 12.888, 320.875

Sweetspot

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



96, 12.889, 90.886



99, 3.711, 92.066



90, 13.919, 356.135



53, 2.640, 91.985



0, 0.000, 0.000



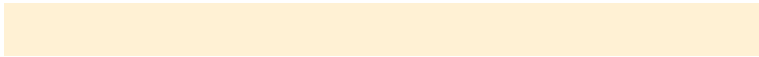
53, 0.007, 296.813

Same Dimension

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



96, 12.889, 90.886



96, 16.005, 90.476



98, 17.894, 116.377



52, 5.311, 91.422



59, 66.584, 77.384



19, 28.364, 80.129

Inverse Universe

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



91, 12.900, 274.516



89, 16.011, 275.006



89, 18.438, 298.410



50, 5.321, 273.903



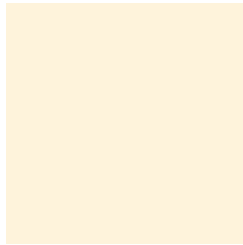
32, 81.379, 297.722



8, 32.661, 292.751

Previews

White Background



This preview shows how the CIE LCh color 96, 12.888, 90.875 looks on a white background.

Color Contrast Check

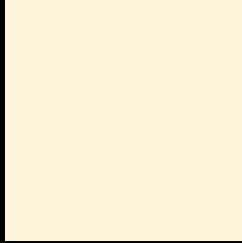
Large Text (above 18pt) WCAG AA × Fail

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 96, 12.888, 90.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

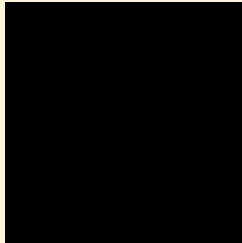
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 12.888, 90.875

Background



This preview shows how black text looks on a background with the CIELCh color 96, 12.888, 90.875.

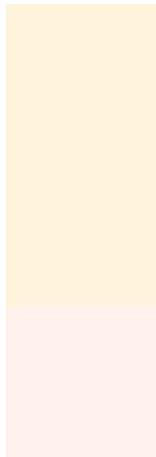


This preview shows how white text looks on a background with the CIELCh color 96, 12.888, 90.875.

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

96, 12.888, 90.875

Protanopia

96, 12.888, 90.875

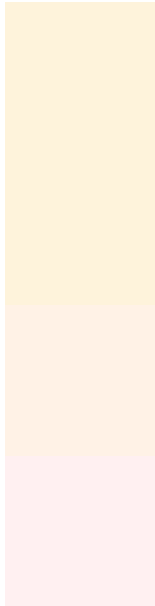
Deuteranopia

96, 5.628, 46.539



Tritanopia
96, 9.153, 328.376

Trichromacy



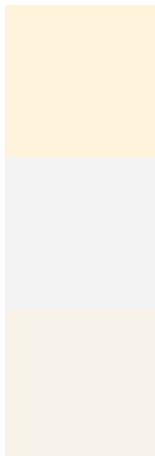
Original Color
96, 12.888, 90.875

Protanomaly
96, 12.888, 90.875

Deuteranomaly
96, 7.714, 71.984

Tritanomaly
96, 5.379, 14.205

Monochromacy



Original Color
96, 12.888, 90.875

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 4.799, 92.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 12.888, 90.875 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, 243, 219)` looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 219)  
}
```

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, 243, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 12.888, 90.875 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, 243, 219) }
```

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

```
.border{ border-color:rgb(254, 243, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 243, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 219);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 12.888, 90.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 219) }
```

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

```
.background{ background-color: rgb(254,  
243, 219) }
```

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