

Converting Colors

CIELCh(96, 13.839, 89.223)

Have a look what the booklet for
CIELCh(96, 13.839, 89.223) contains.

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Color

CIELCh(96, 13.631, 88.504)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2D9
RGB	255, 242, 217
RGB Percent	100%, 95%, 85%
CMY	0.0000, 0.0499, 0.1479
CMYK	0.00, 0.05, 0.15, 0.00
HSL	40°, 100%, 93%
HSV	40°, 15%, 100%
XYZ	85.7390, 90.0078, 78.6859
YIQ	243.0370, 15.7730, -5.0190

Conversions

Conversions Part 2

Format	Color
R_{YB}	237, 255, 217
Decimal	16773849
CIE _{Lab}	96.00, 0.36, 13.63
CIE _{LCh}	96, 13.631, 88.504
Yxy	90.0078, 0.3370, 0.3538
Android (android.graphics.Color)	4294963929 (0xFFFFF2D9)
YUV	243.0370, -12.8362, 10.4916
Hunter-Lab	94.8724, -4.7110, 17.2364

Details

The CIELCh color **96, 13.631, 88.504** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **91, 13.551, 272.890**, 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, 13.702, 88.830** is the 20% darker color. If you saturate the color by 10%, you get **93, 23.038, 87.619**, and if you desaturate by 10%, it is **99, 4.350, 90.164**.

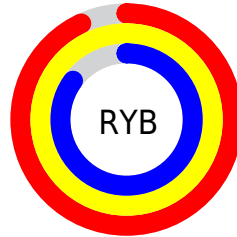
Distribution



Red (100%)

Green (95%)

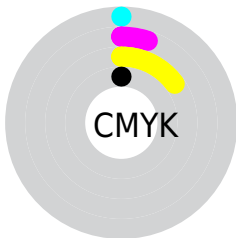
Blue (85%)



Red (93%)

Yellow (100%)

Blue (85%)

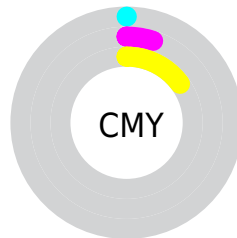


Cyan (0%)

Magenta (5%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 13.631, 88.504 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, 13.631, 88.504 by changing the saturation by 10% instead.

 96, 13.631, 88.504

 96, 13.631, 88.504

 100, 13.631,
88.504

 86, 13.631, 88.504

 76, 13.631, 88.504

 66, 13.631, 88.504

 56, 13.631, 88.504

 46, 13.631, 88.504

 36, 13.631, 88.504

 26, 13.631, 88.504

 16, 13.631, 88.504

 6, 13.631, 88.504

96, 13.631, 88.504

96, 13.631, 88.504

93, 23.038, 87.619

99, 4.350, 90.164

91, 32.652, 86.259

100, 0.012,
296.813

88, 42.371, 84.858

86, 52.054, 83.408

83, 61.421, 81.887

81, 69.972, 80.240

79, 76.893, 78.353

77, 81.201, 76.037

76, 82.501, 74.663

Harmonies

Complementary

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



96, 13.631, 88.504



91, 13.551, 272.890

Rectangle

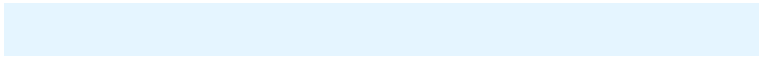
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 13.631, 88.504



96, 13.631, 138.504



96, 13.631, 268.504



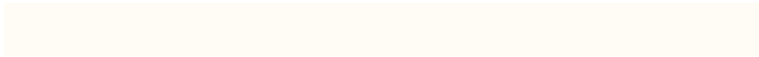
96, 13.631, 318.504

Sweetspot

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



96, 13.595, 88.932



99, 3.625, 90.250



90, 15.278, 354.002



53, 2.579, 90.169



0, 0.000, 0.000



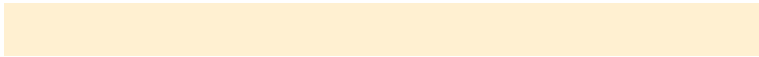
53, 0.007, 296.813

Same Dimension

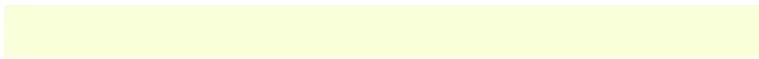
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 13.595, 88.932



95, 16.601, 88.517



99, 19.208, 114.948



52, 5.192, 89.602



58, 66.463, 75.217



19, 28.046, 77.985

Inverse Universe

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



91, 13.551, 272.890



89, 16.527, 273.394



88, 19.850, 297.280



50, 5.188, 272.118



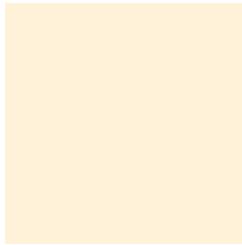
33, 78.521, 296.482



8, 31.495, 291.312

Previews

White Background



This preview shows how the CIE LCh color 96, 13.631, 88.504 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 96, 13.631, 88.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

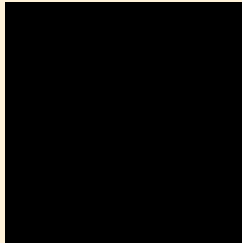
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 13.631, 88.504

Background



This preview shows how black text looks on a background with the CIELCh color 96, 13.631, 88.504.

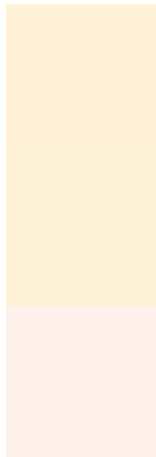


This preview shows how white text looks on a background with the CIELCh color 96, 13.631, 88.504.

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, 13.631, 88.504

Protanopia

96, 13.864, 92.076

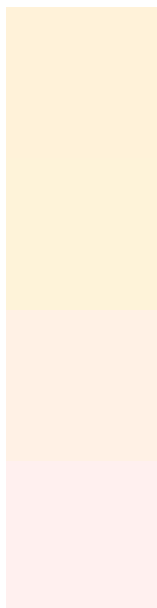
Deuteranopia

96, 5.628, 46.539



Tritanopia
96, 8.758, 330.441

Trichromacy



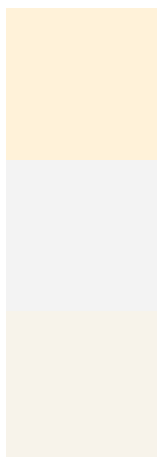
Original Color
96, 13.631, 88.504

Protanomaly
96, 13.864, 92.076

Deuteranomaly
96, 7.949, 69.887

Tritanomaly
96, 5.387, 25.079

Monochromacy



Original Color
96, 13.631, 88.504

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, 13.631, 88.504 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, 242, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 217)  
}
```

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, 242, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 13.631, 88.504 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, 242, 217) }
```

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

```
.border{ border-color:rgb(255, 242, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 13.631, 88.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 217) }
```

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

```
.background{ background-color: rgb(255,  
242, 217) }
```

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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