

Converting Colors

CIELCh(96, 12.812, 77.464)

Have a look what the booklet for
CIELCh(96, 12.812, 77.464) contains.

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Color

CIELCh(96, 11.894, 83.625)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2DD
RGB	255, 242, 221
RGB Percent	100%, 95%, 87%
CMY	0.0000, 0.0517, 0.1342
CMYK	0.00, 0.05, 0.13, 0.00
HSL	37°, 100%, 93%
HSV	37°, 13%, 100%
XYZ	86.2537, 90.0078, 81.0851
YIQ	243.4930, 14.4890, -3.7750

Conversions

Conversions Part 2

Format	Color
R _Y B	242, 255, 221
Decimal	16773853
CIE Lab	96.00, 1.32, 11.82
CIE LCh	96, 11.894, 83.625
Yxy	90.0078, 0.3352, 0.3498
Android (android.graphics.Color)	4294963933 (0xFFFFF2DD)
YUV	243.4930, -11.0890, 10.0916
Hunter-Lab	94.8724, -3.7426, 15.7370

Details

The CIELCh color **96, 11.894, 83.625** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 11.641, 268.602**, 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, 11.696, 85.578** is the 20% darker color. If you saturate the color by 10%, you get **93, 20.841, 83.638**, and if you desaturate by 10%, it is **99, 2.947, 86.165**.

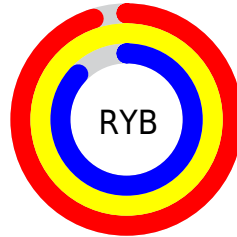
Distribution



Red (100%)

Green (95%)

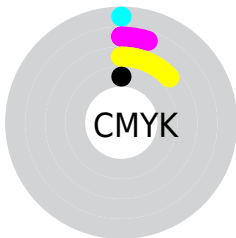
Blue (87%)



Red (95%)

Yellow (100%)

Blue (87%)



Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 11.894, 83.625 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, 11.894, 83.625 by changing the saturation by 10% instead.

 96, 11.894, 83.625

 96, 11.894, 83.625

 100, 11.894,
83.625

 86, 11.894, 83.625

 76, 11.894, 83.625

 66, 11.894, 83.625

 56, 11.894, 83.625

 46, 11.894, 83.625

 36, 11.894, 83.625

 26, 11.894, 83.625

 16, 11.894, 83.625

 6, 11.894, 83.625

96, 11.894, 83.625

96, 11.894, 83.625

93, 20.841, 83.638

99, 2.947, 86.165

90, 30.159, 82.270

100, 0.012,
296.813

87, 39.680, 80.862

85, 49.300, 79.406

82, 58.795, 77.879

79, 67.732, 76.220

77, 75.357, 74.300

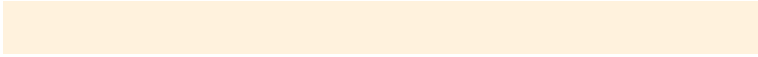
75, 80.628, 71.894

73, 82.728, 70.012

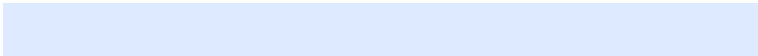
Harmonies

Complementary

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



96, 11.894, 83.625



92, 11.641, 268.602

Rectangle

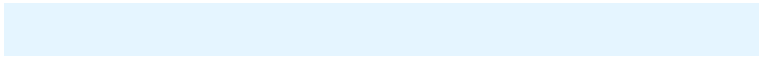
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 11.894, 83.625



96, 11.894, 133.625



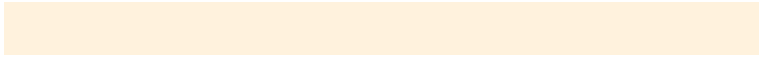
96, 11.894, 263.625



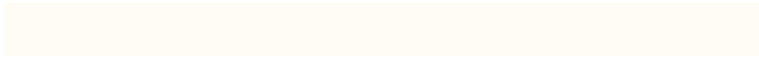
96, 11.894, 313.625

Sweetspot

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



96, 11.768, 84.959



99, 3.455, 86.108



91, 14.216, 350.639



53, 2.459, 86.028



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, 11.768, 84.959



95, 14.088, 84.623



99, 17.360, 113.008



52, 4.957, 85.458



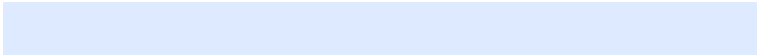
56, 66.578, 70.636



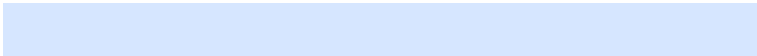
18, 27.504, 73.281

Inverse Universe

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



92, 11.641, 268.602



91, 13.897, 269.004



89, 17.898, 295.313



50, 4.926, 268.029



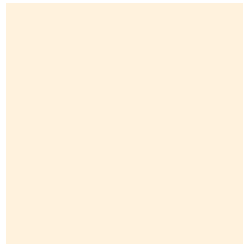
35, 72.379, 293.496



9, 29.054, 287.901

Previews

White Background



This preview shows how the CIE LCh color 96, 11.894, 83.625 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, 11.894, 83.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

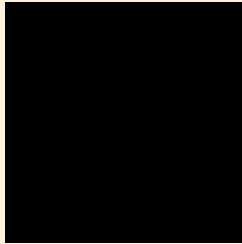
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 11.894, 83.625

Background



This preview shows how black text looks on a background with the CIELCh color 96, 11.894, 83.625.

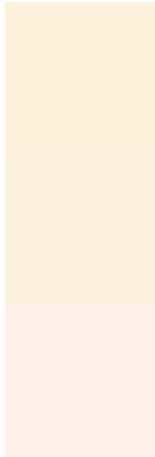


This preview shows how white text looks on a background with the CIELCh color 96, 11.894, 83.625.

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, 11.728, 85.266

Protanopia

96, 11.447, 88.658

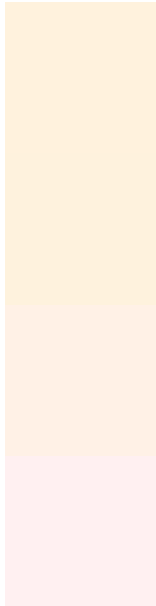
Deuteranopia

96, 5.754, 40.409



Tritanopia
96, 8.758, 330.441

Trichromacy



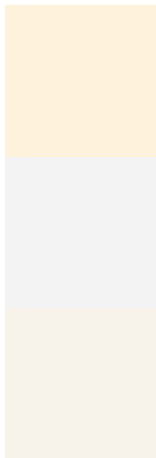
Original Color
96, 11.728, 85.266

Protanomaly
96, 11.582, 86.942

Deuteranomaly
96, 7.557, 67.484

Tritanomaly
96, 5.379, 14.205

Monochromacy



Original Color
96, 11.728, 85.266

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 4.312, 90.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 11.894, 83.625 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 11.894, 83.625 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, 221) }
```

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

```
.border{ border-color:rgb(255, 242, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 242, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 242, 221); box-shadow:4px 4px 4px 4px rgb(255, 242, 221) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 11.894, 83.625 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
242, 221) }
```

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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