

Converting Colors

CIELCh(96, 10.813, 83.645)

Have a look what the booklet for
CIELCh(96, 10.813, 83.645) contains.

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Color

CIELCh(96, 10.796, 83.201)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2DF
RGB	255, 242, 223
RGB Percent	100%, 95%, 87%
CMY	0.0004, 0.0513, 0.1259
CMYK	0.00, 0.05, 0.13, 0.00
HSL	36°, 99%, 94%
HSV	36°, 13%, 100%
XYZ	86.2310, 90.0078, 82.5707
YIQ	243.7210, 13.8470, -3.1530

Conversions

Conversions Part 2

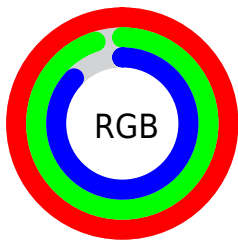
Format	Color
R _Y B	245, 255, 223
Decimal	16773855
CIE Lab	96.00, 1.28, 10.72
CIE LCh	96, 10.796, 83.201
Yxy	90.0078, 0.3332, 0.3478
Android (android.graphics.Color)	4294963935 (0xFFFFF2DF)
YUV	243.7210, -10.2155, 9.8917
Hunter-Lab	94.8724, -3.7854, 14.8086

Details

The CIELCh color **96, 10.796, 83.201** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 10.654, 266.631**, 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, 10.713, 83.469** is the 20% darker color. If you saturate the color by 10%, you get **93, 19.715, 81.899**, and if you desaturate by 10%, it is **99, 2.154, 84.374**.

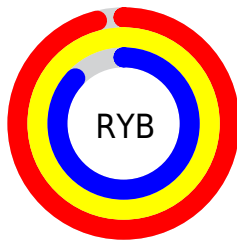
Distribution



Red (100%)

Green (95%)

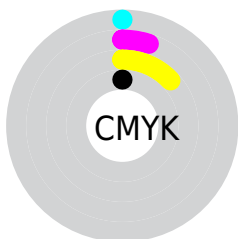
Blue (87%)



Red (96%)

Yellow (100%)

Blue (87%)

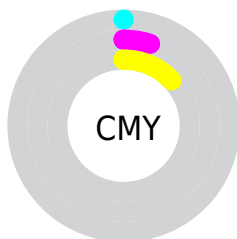


Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 10.796, 83.201 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, 10.796, 83.201 by changing the saturation by 10% instead.

 96, 10.796, 83.201

 96, 10.796, 83.201

 100, 10.796,
83.201

 86, 10.796, 83.201

 76, 10.796, 83.201

 66, 10.796, 83.201

 56, 10.796, 83.201

 46, 10.796, 83.201

 36, 10.796, 83.201

 26, 10.796, 83.201

 16, 10.796, 83.201

 6, 10.796, 83.201

96, 10.796, 83.201

96, 10.796, 83.201

93, 19.715, 81.899

99, 2.154, 84.374

90, 28.908, 80.538

100, 0.035,
218.432

87, 38.346, 79.138

84, 47.939, 77.694

81, 57.492, 76.182

79, 66.608, 74.543

76, 74.574, 72.646

74, 80.343, 70.258

72, 82.986, 68.093

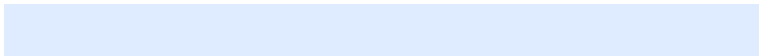
Harmonies

Complementary

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



96, 10.796, 83.201



93, 10.654, 266.631

Rectangle

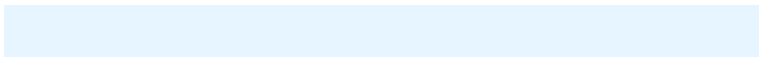
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 10.796, 83.201



96, 10.796, 133.201



96, 10.796, 263.201



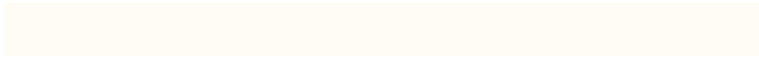
96, 10.796, 313.201

Sweetspot

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



96, 10.797, 83.215



99, 3.389, 84.249



92, 13.412, 349.521



52, 2.413, 84.170



0, 0.000, 0.000



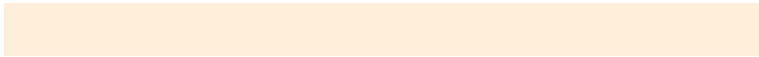
53, 0.007, 296.813

Same Dimension

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



96, 10.797, 83.215



95, 12.958, 82.899



99, 16.226, 112.395



52, 4.867, 83.602



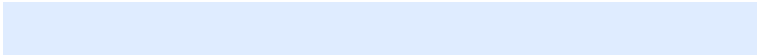
55, 66.773, 68.742



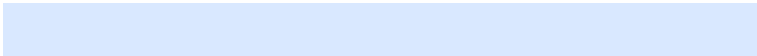
18, 27.334, 71.259

Inverse Universe

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



93, 10.654, 266.631



92, 12.742, 267.007



90, 16.699, 294.611



50, 4.824, 266.187



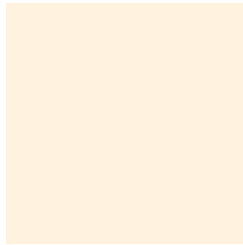
36, 69.801, 292.087



10, 28.053, 286.316

Previews

White Background



This preview shows how the CIELCh color 96, 10.796, 83.201 looks on a white background.

Color Contrast Check

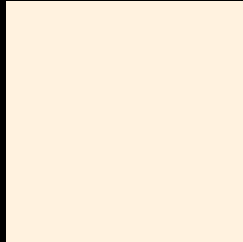
Large Text (above 18pt) WCAG AA × Fail

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, 10.796, 83.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

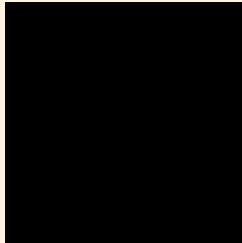
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 10.796, 83.201

Background



This preview shows how black text looks on a background with the CIELCh color 96, 10.796, 83.201.

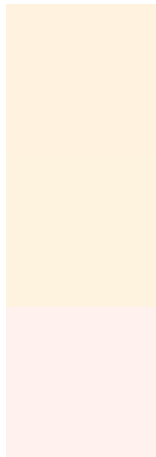


This preview shows how white text looks on a background with the CIELCh color 96, 10.796, 83.201.

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, 10.796, 83.201

Protanopia

96, 10.829, 89.608

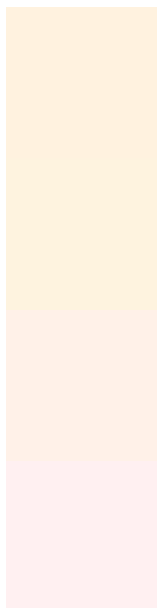
Deuteranopia

96, 5.410, 41.752



Tritanopia
96, 8.758, 330.441

Trichromacy



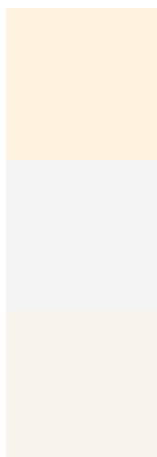
Original Color
96, 10.796, 83.201

Protanomaly
96, 10.959, 87.790

Deuteranomaly
96, 6.821, 61.861

Tritanomaly
96, 5.379, 14.205

Monochromacy



Original Color
96, 10.796, 83.201

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 3.978, 83.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 10.796, 83.201 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 10.796, 83.201 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, 223) }
```

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

```
.border{ border-color:rgb(255, 242, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 10.796, 83.201 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
242, 223) }
```

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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