

# Converting Colors

CIELCh(97, 21.996, 82.861)

Have a look what the booklet for  
CIELCh(97, 21.996, 82.861) contains.

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# **Color**

**CIELCh(96, 20.382, 95.796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3CC
RGB	255, 243, 204
RGB Percent	100%, 95%, 80%
CMY	0.0000, 0.0457, 0.1987
CMYK	0.00, 0.05, 0.20, 0.00
HSL	46°, 100%, 90%
HSV	46°, 20%, 100%
XYZ	84.4601, 90.0078, 70.2578
YIQ	242.1420, 19.6710, -9.5850

# Conversions

## Conversions Part 2

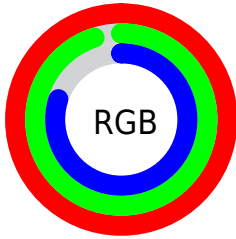
Format	Color
R <sub>Y</sub> B	220, 255, 204
Decimal	16774092
CIE Lab	96.00, -2.06, 20.28
CIE LCh	96, 20.382, 95.796
Yxy	90.0078, 0.3451, 0.3678
Android (android.graphics.Color)	4294964172 (0xFFFFF3CC)
YUV	242.1420, -18.8040, 11.2765
Hunter-Lab	94.8724, -7.1173, 22.5035

# Details

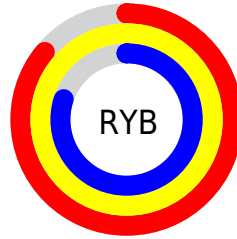
The CIELCh color **96, 20.382, 95.796** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **87, 20.705, 281.223**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 20.275, 95.724** is the 20% darker color. If you saturate the color by 10%, you get **94, 30.715, 94.922**, and if you desaturate by 10%, it is **98, 10.055, 97.367**.

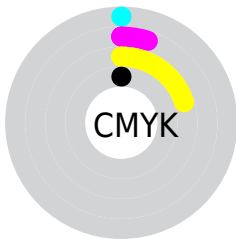
# Distribution



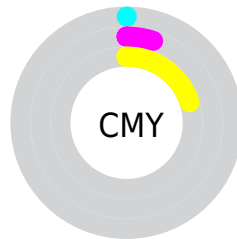
- Red (100%)
- Green (95%)
- Blue (80%)



- Red (86%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (5%)
- Yellow (20%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 20.382, 95.796 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, 20.382, 95.796 by changing the saturation by 10% instead.



 96, 20.382, 95.796

 96, 20.382, 95.796

 100, 20.382,  
95.796

 86, 20.382, 95.796

 76, 20.382, 95.796

 66, 20.382, 95.796

 56, 20.382, 95.796

 46, 20.382, 95.796

 36, 20.382, 95.796

 26, 20.382, 95.796

 16, 20.382, 95.796

 6, 20.382, 95.796

96, 20.382, 95.796

96, 20.382, 95.796

94, 30.715, 94.922

98, 10.055, 97.367

92, 41.056, 93.648

100, 0.012,  
296.813

90, 51.232, 92.347

89, 60.983, 91.020

87, 69.865, 89.656

85, 77.193, 88.218

84, 82.108, 86.639

82, 84.249, 84.841

82, 84.271, 84.817

# Harmonies

# Complementary

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



96, 20.382, 95.796



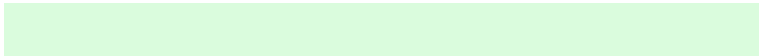
87, 20.705, 281.223

# Rectangle

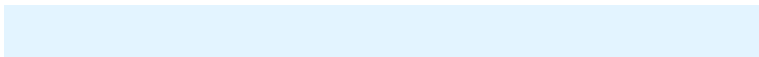
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 20.382, 95.796



96, 20.382, 145.796



96, 20.382, 275.796



96, 20.382, 325.796

# Sweetspot

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



96, 20.355, 96.166



99, 6.096, 97.812



87, 19.689, 2.786



53, 4.046, 97.738



0, 0.000, 0.000



53, 0.007, 296.813

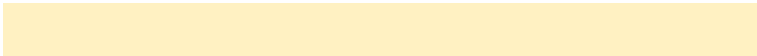


# Same Dimension

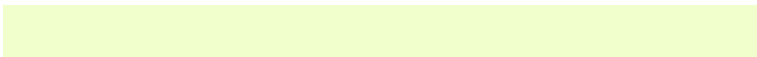
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 20.355, 96.166



95, 24.631, 95.656



98, 26.116, 119.321



52, 5.791, 97.409



63, 67.974, 85.177



21, 29.842, 87.487





# Inverse Universe

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



87, 20.705, 281.223



84, 25.152, 281.889



85, 27.192, 301.905



50, 5.846, 279.739



28, 91.290, 301.458



6, 36.490, 296.639



# Previews

## White Background



This preview shows how the CIE LCh color 96, 20.382, 95.796 looks on a white background.

## Color Contrast Check

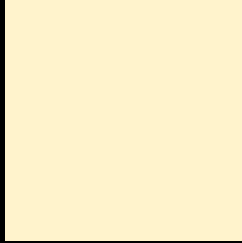
Large Text (above 18pt) WCAG AA × Fail

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, 20.382, 95.796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

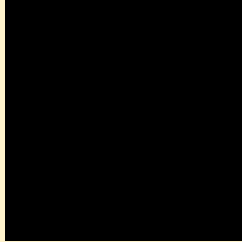
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 96, 20.382, 95.796

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 20.382, 95.796.

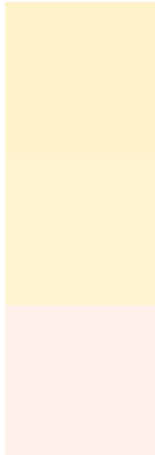


This preview shows how white text looks on a background with the CIELCh color 96, 20.382, 95.796.

# 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, 20.382, 95.796

### Protanopia

96, 17.410, 93.928

### Deuteranopia

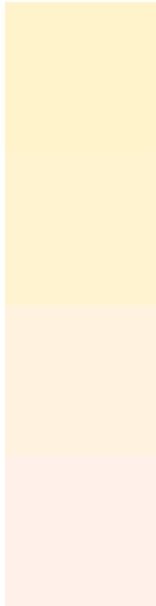
96, 6.483, 58.581



**Tritanopia**  
96, 8.376, 332.702



# Trichromacy



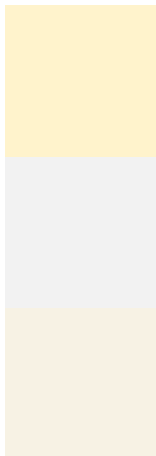
**Original Color**  
96, 20.382, 95.796

**Protanomaly**  
96, 18.398, 94.627

**Deuteranomaly**  
96, 10.796, 83.201

**Tritanomaly**  
96, 6.168, 54.948

# Monochromacy



**Original Color**  
96, 20.382, 95.796

**Achromatopsia**  
95, 0.011, 296.813

**Achromatomaly**  
96, 7.365, 95.389

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 20.382, 95.796 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, 243, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 204)  
}
```

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, 243, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 204) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 20.382, 95.796 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, 243, 204) }
```

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

```
.border{ border-color:rgb(255, 243, 204) }
```

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

Here you see how a box with a 4 pixel rgb(255, 243, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
204) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 20.382, 95.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 204) }
```

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

```
.background{ background-color: rgb(255,  
243, 204) }
```

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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