

# Converting Colors

CIELCh(83, 21.822, 76.727)

Have a look what the booklet for  
CIELCh(83, 21.822, 76.727) contains.

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# Color

**CIELCh(83, 21.822, 76.727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7CAA7
RGB	231, 202, 167
RGB Percent	91%, 79%, 65%
CMY	0.0933, 0.2070, 0.3443
CMYK	0.00, 0.13, 0.28, 0.09
HSL	33°, 57%, 78%
HSV	33°, 28%, 91%
XYZ	61.1897, 62.1629, 45.4321
YIQ	206.6810, 28.5190, -4.7370

# Conversions

## Conversions Part 2

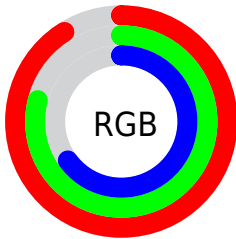
Format	Color
R <sub>Y</sub> B	220, 231, 167
Decimal	15190695
CIE Lab	83.00, 5.01, 21.24
CIE LCh	83, 21.822, 76.727
Yxy	62.1629, 0.3625, 0.3683
Android (android.graphics.Color)	4293380775 (0xFFE7CAA7)
YUV	206.6810, -19.5627, 21.3278
Hunter-Lab	78.8435, 0.5560, 21.0257

# Details

The CIELCh color  $83, 21.822, 76.727$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $78, 20.670, 264.680$ , and the grayscale version is  $83, 0.010, 296.813$ .

A 20% lighter version of the original color is  $99, 16.691, 108.916$ , and  $63, 21.841, 76.238$  is the 20% darker color. If you saturate the color by 10%, you get  $80, 30.289, 75.395$ , and if you desaturate by 10%, it is  $86, 13.667, 78.043$ .

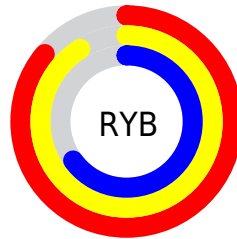
# Distribution



Red (91%)

Green (79%)

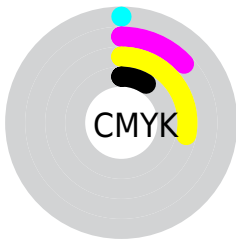
Blue (65%)



Red (86%)

Yellow (91%)

Blue (65%)

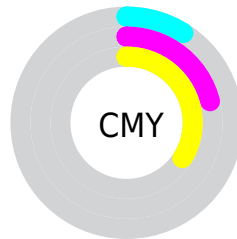


Cyan (0%)

Magenta (13%)

Yellow (28%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 21.822, 76.727 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 83, 21.822, 76.727 by changing the saturation by 10% instead.



 83, 21.822, 76.727

 83, 21.822, 76.727

 100, 21.822,  
76.727

 73, 21.822, 76.727

 63, 21.822, 76.727

 53, 21.822, 76.727

 43, 21.822, 76.727

 33, 21.822, 76.727

 23, 21.822, 76.727

 13, 21.822, 76.727

 3, 21.822, 76.727

 0, 21.822, 76.727

83, 21.822, 76.727

83, 21.822, 76.727

80, 30.289, 75.395

86, 13.667, 78.043

77, 39.034, 74.025

89, 5.821, 79.296

74, 47.959, 72.614

92, 1.733, 260.825

71, 56.837, 71.120

96, 7.036, 251.915

69, 65.210, 69.444

98, 7.976, 200.467

66, 72.268, 67.389

98, 8.116, 198.974

64, 77.034, 64.671

63, 77.997, 64.023

# Harmonies

# Complementary

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



83, 21.822, 76.727



78, 20.670, 264.680

# Rectangle

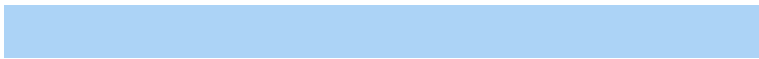
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 21.822, 76.727



83, 21.822, 126.727



83, 21.822, 256.727



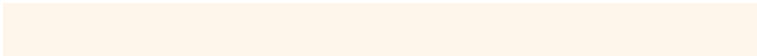
83, 21.822, 306.727

# Sweetspot

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



83, 21.823, 76.735



97, 6.565, 79.253



75, 28.604, 348.136



51, 4.680, 79.070



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



83, 21.823, 76.735



89, 28.467, 76.002



90, 32.788, 108.946



47, 4.292, 79.082



50, 64.116, 64.692



13, 21.024, 65.790





# Inverse Universe

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



78, 20.670, 264.680



83, 26.642, 265.802



71, 35.050, 294.648



46, 4.227, 261.641



36, 60.439, 288.225

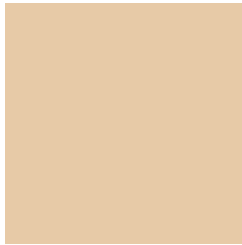


8, 21.443, 279.993



# Previews

## White Background



This preview shows how the CIELCh color 83, 21.822, 76.727 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 83, 21.822, 76.727 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 83, 21.822, 76.727

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 21.822, 76.727.

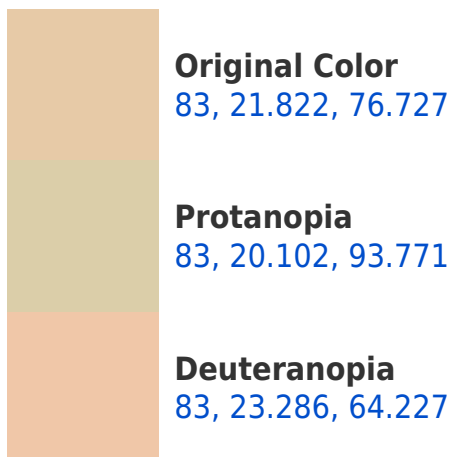


This preview shows how white text looks on a background with the CIELCh color 83, 21.822, 76.727.

# 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





**Tritanopia**  
83, 16.716, 352.598



# Trichromacy



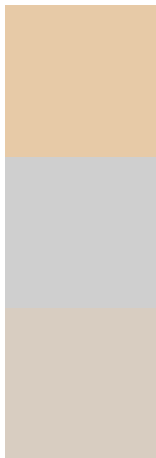
**Original Color**  
83, 21.822, 76.727

**Protanomaly**  
83, 20.727, 88.455

**Deuteranomaly**  
83, 22.533, 67.939

**Tritanomaly**  
83, 13.746, 26.970

# Monochromacy



**Original Color**  
83, 21.822, 76.727

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 7.536, 76.367

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 21.822, 76.727 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(231, 202, 167)` looks like.

```
.text, #text, p{  
    color:rgb(231, 202, 167)  
}
```

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(231, 202, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 202, 167) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 21.822, 76.727 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(231, 202, 167) }
```

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

```
.border{ border-color:rgb(231, 202, 167) }
```

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

Here you see how a box with a 4 pixel rgb(231, 202, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 202, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 202, 167);  
box-shadow:4px 4px 4px 4px rgb(231, 202,  
167) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 21.822, 76.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 202, 167) }
```

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

```
.background{ background-color: rgb(231,  
202, 167) }
```

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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