

# Converting Colors

CIELCh(83, 19.935, 73.906)

Have a look what the booklet for  
CIELCh(83, 19.935, 73.906) contains.

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# Color

**CIELCh(83, 20.019, 73.908)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7CAAB
RGB	231, 202, 171
RGB Percent	91%, 79%, 67%
CMY	0.0942, 0.2079, 0.3294
CMYK	0.00, 0.13, 0.26, 0.09
HSL	31°, 56%, 79%
HSV	31°, 26%, 91%
XYZ	61.4190, 62.1629, 47.2848
YIQ	207.1370, 27.2350, -3.4930

# Conversions

## Conversions Part 2

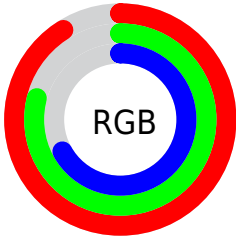
Format	Color
R <sub>Y</sub> B	227, 231, 171
Decimal	15190699
CIE Lab	83.00, 5.55, 19.23
CIE LCh	83, 20.019, 73.908
Yxy	62.1629, 0.3595, 0.3638
Android (android.graphics.Color)	4293380779 (0xFFE7CAAB)
YUV	207.1370, -17.8155, 20.9279
Hunter-Lab	78.8435, 1.0752, 19.6325

# Details

The CIELCh color **83, 20.019, 73.908** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **79, 18.787, 261.205**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **63, 19.934, 73.327** is the 20% darker color. If you saturate the color by 10%, you get **80, 28.354, 72.623**, and if you desaturate by 10%, it is **86, 12.039, 75.185**.

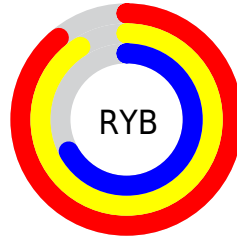
# Distribution



Red (91%)

Green (79%)

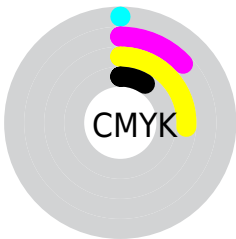
Blue (67%)



Red (89%)

Yellow (91%)

Blue (67%)

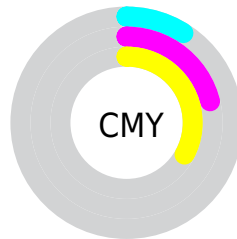


Cyan (0%)

Magenta (13%)

Yellow (26%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 20.019, 73.908 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, 20.019, 73.908 by changing the saturation by 10% instead.



 83, 20.019, 73.908

 83, 20.019, 73.908

 100, 20.019,  
73.908

 73, 20.019, 73.908

 63, 20.019, 73.908

 53, 20.019, 73.908

 43, 20.019, 73.908

 33, 20.019, 73.908

 23, 20.019, 73.908

 13, 20.019, 73.908

 3, 20.019, 73.908

 0, 20.019, 73.908

83, 20.019, 73.908

83, 20.019, 73.908

80, 28.354, 72.623

86, 12.039, 75.185

77, 37.027, 71.310

90, 4.401, 76.386

74, 45.969, 69.969

93, 2.920, 257.838

71, 54.997, 68.565

96, 6.773, 238.492

68, 63.724, 67.008

98, 8.192, 198.968

65, 71.413, 65.110

63, 76.978, 62.541

62, 78.789, 61.407

# Harmonies

# Complementary

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



83, 20.019, 73.908



79, 18.787, 261.205

# Rectangle

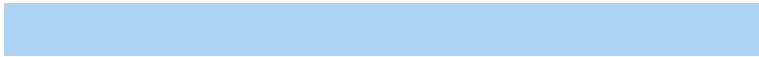
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 20.019, 73.908



83, 20.019, 123.908



83, 20.019, 253.908



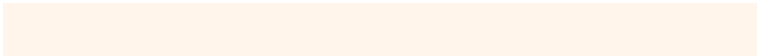
83, 20.019, 303.908

# Sweetspot

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



83, 20.019, 73.916



97, 6.418, 76.151



76, 27.053, 346.971



51, 4.577, 75.972



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, 20.019, 73.916



89, 26.192, 73.247



90, 30.760, 108.379



46, 4.197, 75.985



49, 64.768, 62.090



12, 20.938, 62.458



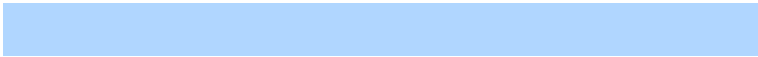


# Inverse Universe

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



79, 18.787, 261.205



84, 24.229, 262.230



72, 32.730, 293.846



46, 4.115, 258.517



38, 56.991, 285.553

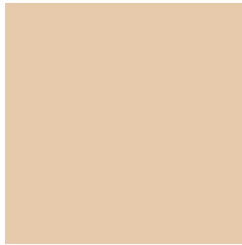


8, 20.361, 277.040



# Previews

## White Background



This preview shows how the CIELCh color 83, 20.019, 73.908 looks on a white background.

## Color Contrast Check

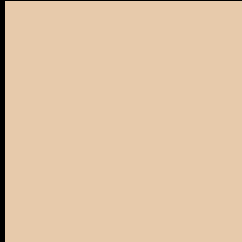
Large Text (above 18pt) WCAG AA × Fail

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, 20.019, 73.908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

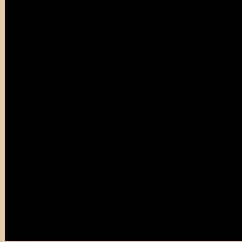
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

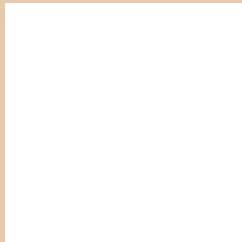
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 83, 20.019, 73.908

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 20.019, 73.908.

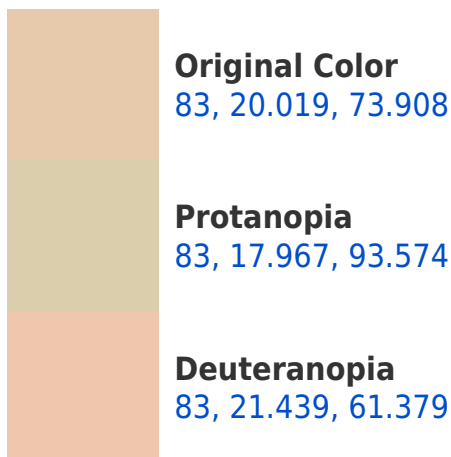


This preview shows how white text looks on a background with the CIELCh color 83, 20.019, 73.908.

# 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

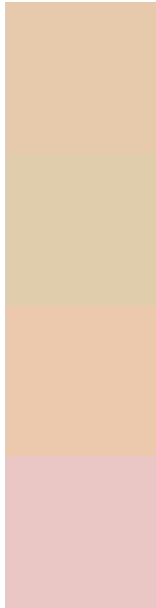




**Tritanopia**  
83, 16.951, 351.007



# Trichromacy



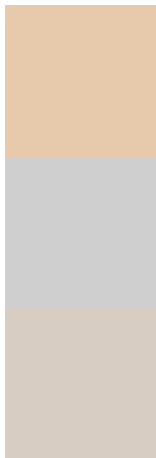
**Original Color**  
83, 20.019, 73.908

**Protanomaly**  
83, 18.752, 86.577

**Deuteranomaly**  
83, 20.622, 65.307

**Tritanomaly**  
83, 13.608, 22.624

# Monochromacy



**Original Color**  
83, 20.019, 73.908

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 7.095, 74.125

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 20.019, 73.908 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(231, 202, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 202, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 20.019, 73.908 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, 171) }
```

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

```
.border{ border-color:rgb(231, 202, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 202, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 202, 171); box-shadow:4px 4px 4px 4px rgb(231, 202, 171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 20.019, 73.908 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, 171) }
```

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

```
.background{ background-color: rgb(231,  
202, 171) }
```

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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