

# Converting Colors

CIELCh(83, 7.866, 76.217)

Have a look what the booklet for  
CIELCh(83, 7.866, 76.217) contains.

<b>CIELCh(83, 8.190, 76.080)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(83, 8.190, 76.080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9CDC0
RGB	217, 205, 192
RGB Percent	85%, 80%, 75%
CMY	0.1494, 0.1964, 0.2474
CMYK	0.00, 0.06, 0.12, 0.15
HSL	31°, 25%, 80%
HSV	31°, 12%, 85%
XYZ	59.9062, 62.1629, 58.6617
YIQ	207.1060, 11.3250, -1.4990

# Conversions

## Conversions Part 2

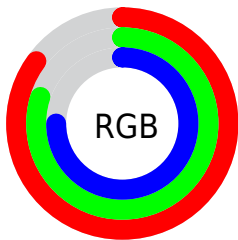
Format	Color
R <sub>Y</sub> B	215, 217, 192
Decimal	14273984
CIE Lab	83.00, 1.97, 7.95
CIE LCh	83, 8.190, 76.080
Yxy	62.1629, 0.3315, 0.3440
Android (android.graphics.Color)	4292464064 (0xFFD9CDC0)
YUV	207.1060, -7.4473, 8.6770
Hunter-Lab	78.8435, -2.3497, 11.0771

# Details

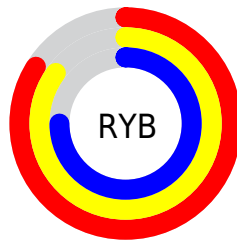
The CIELCh color **83, 8.190, 76.080** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 7.994, 259.165**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 3.539, 109.892**, and **63, 8.007, 75.967** is the 20% darker color. If you saturate the color by 10%, you get **80, 15.638, 74.848**, and if you desaturate by 10%, it is **86, 1.054, 77.032**.

# Distribution



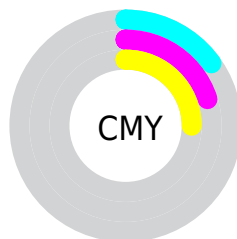
- Red (85%)
- Green (80%)
- Blue (75%)



- Red (84%)
- Yellow (85%)
- Blue (75%)



- Cyan (0%)
- Magenta (6%)
- Yellow (12%)
- Black (15%)



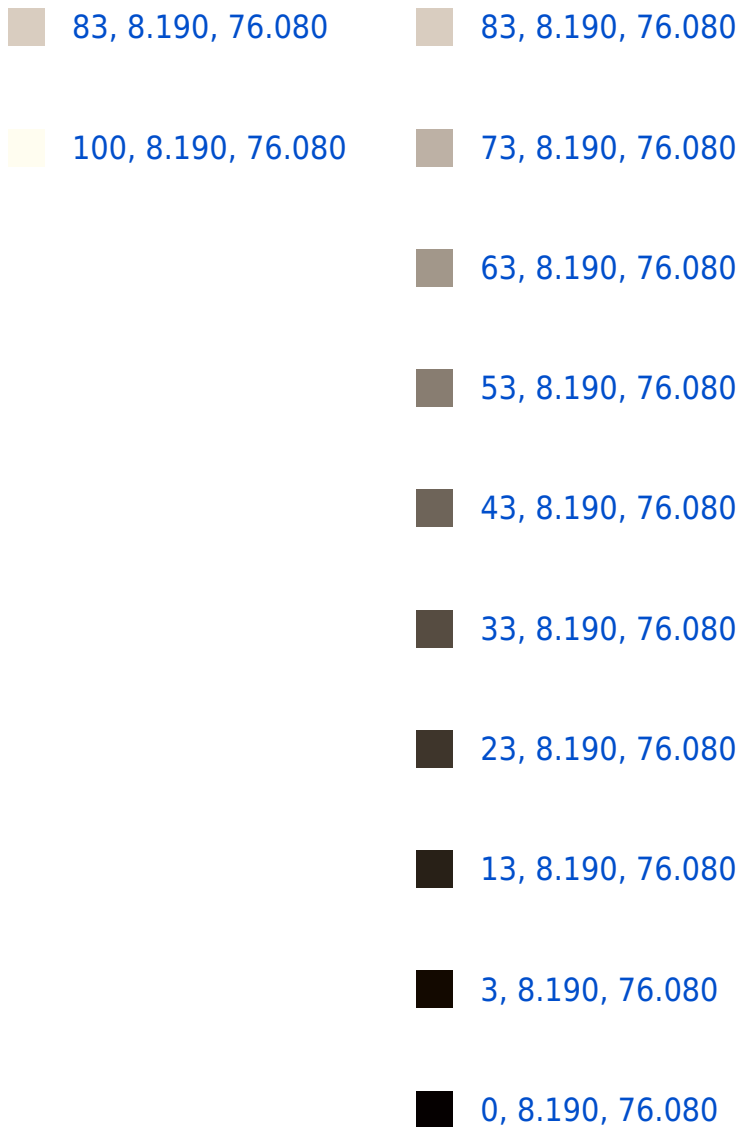
- Cyan (15%)
- Magenta (20%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 8.190, 76.080 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, 8.190, 76.080 by changing the saturation by 10% instead.





83, 8.190, 76.080

83, 8.190, 76.080

80, 15.638, 74.848

86, 1.054, 77.032

77, 23.413, 73.564

89, 5.798, 258.661

74, 31.516, 72.258

93, 11.542,  
256.974

71, 39.906, 70.930

95, 10.753,  
222.745

68, 48.468, 69.559

65, 56.939, 68.085

97, 12.798,  
198.651

63, 64.794, 66.377

60, 71.138, 64.175

59, 74.996, 61.850

# Harmonies

# Complementary

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



83, 8.190, 76.080



81, 7.994, 259.165

# Rectangle

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



83, 8.190, 76.080



83, 8.190, 126.080



83, 8.190, 256.080



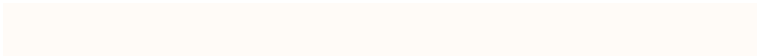
83, 8.190, 306.080

# Sweetspot

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



83, 8.191, 76.097



99, 2.382, 77.024



80, 11.248, 345.509



53, 1.810, 76.962



0, 0.000, 0.000



53, 0.007, 296.813

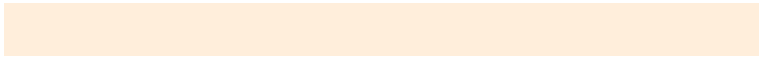


# Same Dimension

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



83, 8.191, 76.097



95, 11.411, 75.777



86, 13.043, 109.752



44, 4.052, 76.349



47, 63.289, 62.467



11, 18.373, 62.134



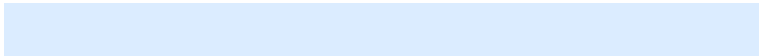


# Inverse Universe

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



81, 7.994, 259.165



93, 11.062, 259.549



78, 13.393, 292.012



44, 3.976, 258.873



36, 56.034, 285.767

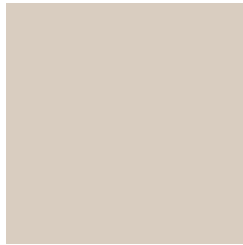


7, 18.690, 275.727



# Previews

## White Background



This preview shows how the CIELCh color 83, 8.190, 76.080 looks on a white background.

## Color Contrast Check

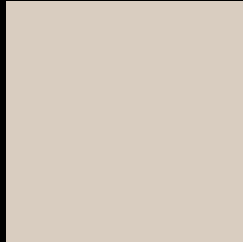
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 83, 8.190, 76.080 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

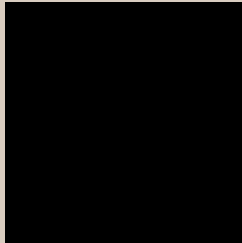
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

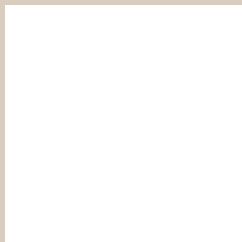
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 83, 8.190, 76.080**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 83, 8.190, 76.080.

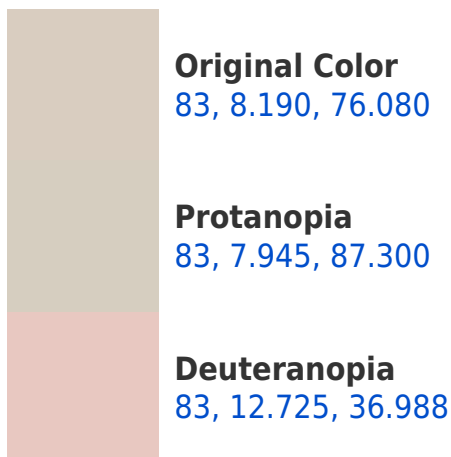


This preview shows how white text looks on a background with the CIELCh color 83, 8.190, 76.080.

# 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, 10.937, 329.591



# Trichromacy



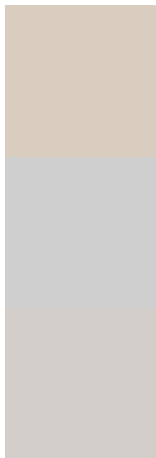
**Original Color**  
83, 8.190, 76.080

**Protanomaly**  
83, 8.094, 84.816

**Deuteranomaly**  
83, 10.598, 46.442

**Tritanomaly**  
83, 7.009, 353.047

# Monochromacy



**Original Color**  
83, 8.190, 76.080

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 2.779, 68.541

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 8.190, 76.080 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(217, 205, 192)` looks like.

```
.text, #text, p{  
    color:rgb(217, 205, 192)  
}
```

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(217, 205, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 205, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 8.190, 76.080 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(217, 205, 192) }
```

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

```
.border{ border-color:rgb(217, 205, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 205, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 205, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 205, 192);  
box-shadow:4px 4px 4px 4px rgb(217, 205,  
192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 8.190, 76.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 205, 192) }
```

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

```
.background{ background-color: rgb(217,  
205, 192) }
```

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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