

# Converting Colors

CIELCh(76, 27.790, 84.441)

Have a look what the booklet for  
CIELCh(76, 27.790, 84.441) contains.

<b>CIELCh(76, 27.613, 83.922)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(76, 27.613, 83.922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3B889
RGB	211, 184, 137
RGB Percent	83%, 72%, 54%
CMY	0.1729, 0.2787, 0.4630
CMYK	0.00, 0.13, 0.35, 0.17
HSL	38°, 46%, 68%
HSV	38°, 35%, 83%
XYZ	48.4729, 49.8872, 30.7117
YIQ	186.7150, 31.1790, -8.8930

# Conversions

## Conversions Part 2

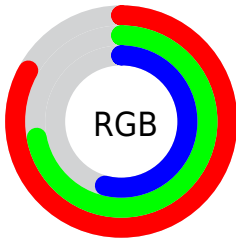
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 211, 137
Decimal	13875337
CIELab	76.00, 2.92, 27.46
CIELCh	76, 27.613, 83.922
Yxy	49.8872, 0.3755, 0.3865
Android (android.graphics.Color)	4292065417 (0xFFD3B889)
YUV	186.7150, -24.5095, 21.2979
Hunter-Lab	70.6309, -1.1024, 23.6612

# Details

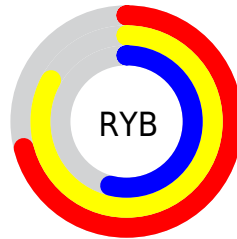
The CIELCh color **76, 27.613, 83.922** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **67, 27.014, 274.271**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.659, 95.225**, and **56, 27.319, 83.855** is the 20% darker color. If you saturate the color by 10%, you get **74, 35.852, 82.531**, and if you desaturate by 10%, it is **78, 19.507, 85.283**.

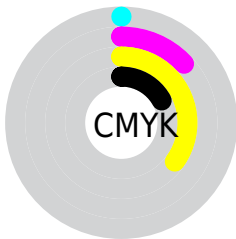
# Distribution



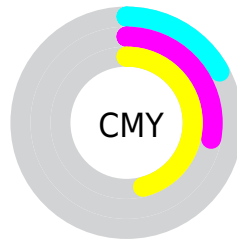
- Red (83%)
- Green (72%)
- Blue (54%)



- Red (71%)
- Yellow (83%)
- Blue (54%)



- Cyan (0%)
- Magenta (13%)
- Yellow (35%)
- Black (17%)



- Cyan (17%)
- Magenta (28%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 27.613, 83.922 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 76, 27.613, 83.922 by changing the saturation by 10% instead.



■ 76, 27.613, 83.922

■ 76, 27.613, 83.922

■ 100, 27.613,  
83.922

■ 66, 27.613, 83.922

■ 96, 27.613, 83.922

■ 56, 27.613, 83.922

■ 46, 27.613, 83.922

■ 36, 27.613, 83.922

■ 26, 27.613, 83.922

■ 16, 27.613, 83.922

■ 6, 27.613, 83.922

■ 0, 27.613, 83.922

■ 76, 27.613, 83.922

■ 76, 27.613, 83.922

74, 35.852, 82.531

78, 19.507, 85.283

71, 44.118, 81.086

81, 11.580, 86.594

69, 52.195, 79.568

83, 3.847, 87.825

67, 59.688, 77.918

86, 3.695, 269.203

65, 65.930, 76.014

88, 11.054,  
270.336

63, 70.062, 73.653

91, 14.257,  
264.646

62, 71.523, 72.376

93, 12.437,  
244.854

95, 12.393,  
222.150

97, 14.103,  
202.398

# Harmonies

# Complementary

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



76, 27.613, 83.922



67, 27.014, 274.271

# Rectangle

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



76, 27.613, 83.922



76, 27.613, 133.922



76, 27.613, 263.922



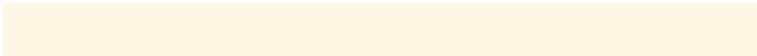
76, 27.613, 313.922

# Sweetspot

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



76, 27.614, 83.928



97, 9.800, 87.097



65, 32.088, 355.396



51, 6.597, 86.925



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



76, 27.614, 83.928



88, 38.867, 82.901



82, 38.556, 112.717



43, 4.293, 87.311



51, 60.444, 72.914



11, 16.427, 75.095





# Inverse Universe

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



67, 27.014, 274.271



75, 37.892, 275.934



61, 41.960, 298.874



41, 4.277, 269.808



30, 67.559, 294.473



4, 19.082, 281.578



# Previews

## White Background



This preview shows how the CIELCh color 76, 27.613, 83.922 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 76, 27.613, 83.922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

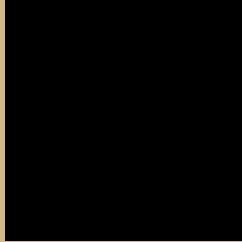
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 76, 27.613, 83.922

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 27.613, 83.922.



This preview shows how white text looks on a background with the CIELCh color 76, 27.613, 83.922.

# 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


76, 27.613, 83.922

### Protanopia

76, 26.770, 95.308

### Deuteranopia

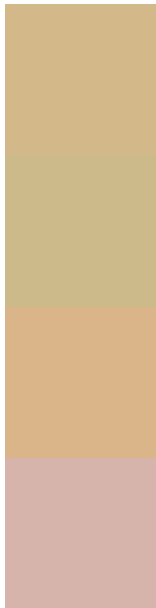
76, 28.785, 70.689



**Tritanopia**  
76, 16.796, 354.392



# Trichromacy



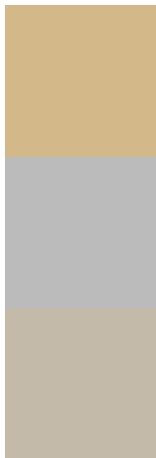
**Original Color**  
76, 27.613, 83.922

**Protanomaly**  
76, 26.833, 90.808

**Deuteranomaly**  
76, 27.918, 74.619

**Tritanomaly**  
76, 14.561, 39.646

# Monochromacy



**Original Color**  
76, 27.613, 83.922

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
76, 9.896, 86.288

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 27.613, 83.922 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(211, 184, 137)` looks like.

```
.text, #text, p{  
    color:rgb(211, 184, 137)  
}
```

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(211, 184, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 184, 137) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 27.613, 83.922 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(211, 184, 137) }
```

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

```
.border{ border-color:rgb(211, 184, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 184, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 184, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 184, 137);  
box-shadow:4px 4px 4px 4px rgb(211, 184,  
137) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 27.613, 83.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 184, 137) }
```

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

```
.background{ background-color: rgb(211,  
184, 137) }
```

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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