

# Converting Colors

CIELCh(84, 5.688, 86.665)

Have a look what the booklet for  
CIELCh(84, 5.688, 86.665) contains.

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# **Color**

**CIELCh(84, 5.688, 86.665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7D1C7
RGB	215, 209, 199
RGB Percent	84%, 82%, 78%
CMY	0.1575, 0.1810, 0.2202
CMYK	0.00, 0.03, 0.07, 0.16
HSL	38°, 17%, 81%
HSV	38°, 7%, 84%
XYZ	61.0329, 64.0658, 63.0890
YIQ	209.6540, 6.7860, -1.8380

# Conversions

## Conversions Part 2

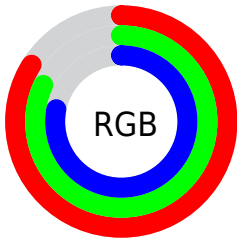
Format	Color
R <sub>Y</sub> B	209, 215, 199
Decimal	14143943
CIE Lab	84.00, 0.33, 5.68
CIE LCh	84, 5.688, 86.665
Yxy	64.0658, 0.3243, 0.3404
Android (android.graphics.Color)	4292334023 (0xFFD7D1C7)
YUV	209.6540, -5.2524, 4.6884
Hunter-Lab	80.0411, -3.9621, 9.2959

# Details

The CIELCh color  $84, 5.688, 86.665$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $82, 5.674, 268.694$ , and the grayscale version is  $84, 0.010, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $64, 5.879, 89.953$  is the 20% darker color. If you saturate the color by 10%, you get  $81, 13.521, 85.423$ , and if you desaturate by 10%, it is  $87, 1.938, 268.133$ .

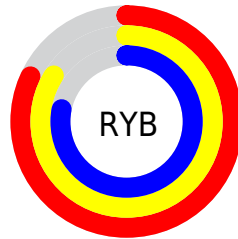
# Distribution



Red (84%)

Green (82%)

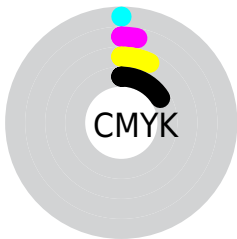
Blue (78%)



Red (82%)

Yellow (84%)

Blue (78%)

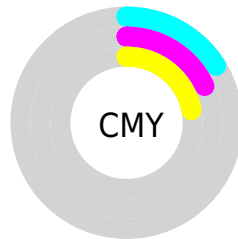


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (16%)



Cyan (16%)

Magenta (18%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 5.688, 86.665 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 84, 5.688, 86.665 by changing the saturation by 10% instead.



 84, 5.688, 86.665

 84, 5.688, 86.665

 100, 5.688, 86.665

 74, 5.688, 86.665

 64, 5.688, 86.665

 54, 5.688, 86.665

 44, 5.688, 86.665


















 34, 5.688, 86.665

 24, 5.688, 86.665

 14, 5.688, 86.665

 4, 5.688, 86.665

 0, 5.688, 86.665

 84, 5.688, 86.665	 84, 5.688, 86.665
 81, 13.521, 85.423	 87, 1.938, 268.133
 79, 21.558, 84.096	 89, 9.370, 269.216
 77, 29.783, 82.727	 92, 12.763, 262.676
 74, 38.141, 81.317	
 72, 46.506, 79.854	 94, 11.190, 239.085
 70, 54.630, 78.307	 96, 11.794, 213.662
 67, 62.053, 76.600	 97, 13.461, 198.607
 65, 68.031, 74.587	
 63, 71.767, 72.060	

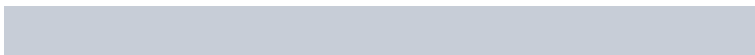
# Harmonies

# Complementary

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



84, 5.688, 86.665



82, 5.674, 268.694

# Rectangle

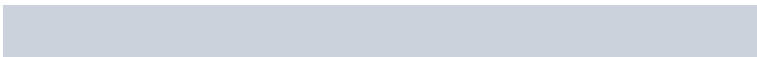
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 5.688, 86.665



84, 5.688, 136.665



84, 5.688, 266.665



84, 5.688, 316.665

# Sweetspot

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



84, 5.689, 86.687



99, 1.736, 87.233



82, 6.734, 351.058



53, 0.987, 87.236



0, 0.000, 0.000



53, 0.007, 296.813

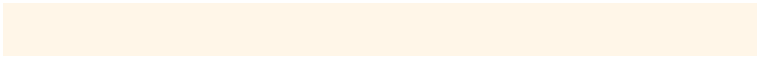


# Same Dimension

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



84, 5.689, 86.687



97, 7.921, 86.487



85, 8.401, 114.175



44, 4.338, 86.446



51, 61.152, 71.945



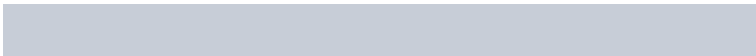
11, 17.682, 74.057



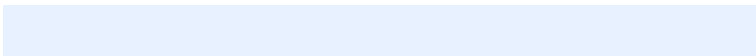


# Inverse Universe

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



82, 5.674, 268.694



95, 7.886, 268.915



81, 8.552, 295.373



42, 4.317, 268.960



31, 67.249, 293.884

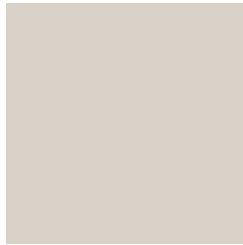


5, 20.249, 282.150



# Previews

## White Background



This preview shows how the CIELCh color 84, 5.688, 86.665 looks on a white background.

## Color Contrast Check

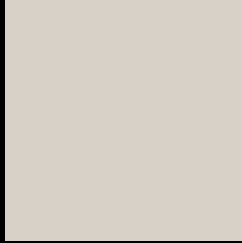
Large Text (above 18pt) WCAG AA × Fail

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 84, 5.688, 86.665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

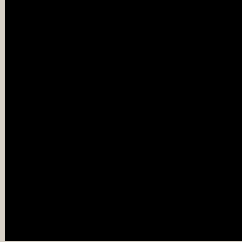
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

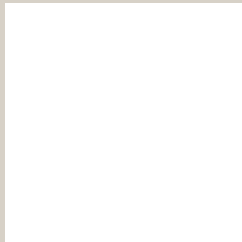
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 84, 5.688, 86.665**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 5.688, 86.665.

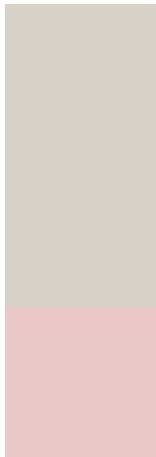


This preview shows how white text looks on a background with the CIELCh color 84, 5.688, 86.665.

# 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

84, 5.688, 86.665

### Protanopia

84, 5.842, 83.285

### Deuteranopia

84, 11.691, 25.370



**Tritanopia**  
84, 10.154, 318.053



# Trichromacy



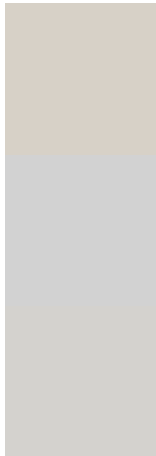
**Original Color**  
84, 5.688, 86.665

**Protanomaly**  
84, 5.842, 83.285

**Deuteranomaly**  
84, 8.484, 34.243

**Tritanomaly**  
84, 5.835, 333.481

# Monochromacy



**Original Color**  
84, 5.688, 86.665

**Achromatopsia**  
84, 0.010, 296.813

**Achromatomaly**  
84, 2.210, 90.665

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 5.688, 86.665 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(215, 209, 199)` looks like.

```
.text, #text, p{  
    color:rgb(215, 209, 199)  
}
```

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(215, 209, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 209, 199) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 5.688, 86.665 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(215, 209, 199) }
```

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

```
.border{ border-color:rgb(215, 209, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 209, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 209, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 209, 199);  
box-shadow:4px 4px 4px 4px rgb(215, 209,  
199) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 5.688, 86.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 209, 199) }
```

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

```
.background{ background-color: rgb(215,  
209, 199) }
```

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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