

# Converting Colors

CIELCh(84, 19.425, 107.085)

Have a look what the booklet for  
CIELCh(84, 19.425, 107.085)  
contains.

<b>CIELCh(84, 19.874, 107.333)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(84, 19.874, 107.333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5D4AE
RGB	213, 212, 174
RGB Percent	84%, 83%, 68%
CMY	0.1660, 0.1699, 0.3189
CMYK	0.00, 0.00, 0.18, 0.17
HSL	58°, 32%, 76%
HSV	58°, 18%, 83%
XYZ	58.4175, 64.0658, 49.1706
YIQ	207.9670, 12.7940, -11.6060

# Conversions

## Conversions Part 2

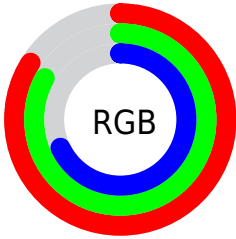
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 213, 174
Decimal	14013614
CIELab	84.00, -5.92, 18.97
CIELCh	84, 19.874, 107.333
Yxy	64.0658, 0.3403, 0.3732
Android (android.graphics.Color)	4292203694 (0xFFD5D4AE)
YUV	207.9670, -16.7457, 4.4139
Hunter-Lab	80.0411, -9.7947, 19.6059

# Details

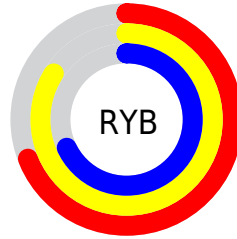
The CIELCh color **84, 19.874, 107.333** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **72, 20.686, 291.222**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **64, 19.871, 106.814** is the 20% darker color. If you saturate the color by 10%, you get **83, 30.586, 106.345**, and if you desaturate by 10%, it is **85, 9.049, 108.325**.

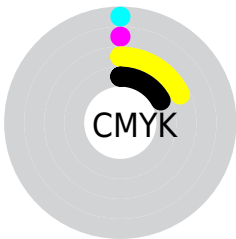
# Distribution



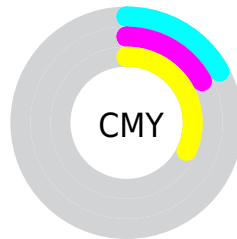
- Red (84%)
- Green (83%)
- Blue (68%)



- Red (69%)
- Yellow (84%)
- Blue (68%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)




- Cyan (17%)
- Magenta (17%)
- Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 19.874, 107.333 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, 19.874, 107.333 by changing the saturation by 10% instead.





 84, 19.874,  
107.333

 84, 19.874,  
107.333


 100, 19.874,  
107.333


 74, 19.874,  
107.333


 64, 19.874,  
107.333

 54, 19.874,  
107.333

 44, 19.874,  
107.333

 34, 19.874,  
107.333

 24, 19.874,  
107.333

 14, 19.874,

107.333

■ 4, 19.874, 107.333

■ 0, 19.874, 107.333

■ 84, 19.874,  
107.333

■ 84, 19.874,  
107.333

■ 83, 30.586,  
106.345

■ 85, 9.049, 108.325

■ 83, 41.067,  
105.365

■ 85, 1.825, 289.352

■ 83, 51.146,  
104.421

■ 86, 12.700,  
290.266

■ 82, 60.552,  
103.538

■ 87, 21.583,  
290.930

■ 82, 68.887,

■ 87, 21.290,  
290.406

102.750

87, 21.000,  
289.868

82, 75.634,  
102.092

87, 20.711,  
289.316

81, 80.262,  
101.596

87, 20.424,  
288.749

81, 82.612,  
101.262

87, 20.140,  
288.166

81, 82.914,  
101.213

# Harmonies

# Complementary

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



84, 19.874, 107.333



72, 20.686, 291.222

# Rectangle

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



84, 19.874, 107.333



84, 19.874, 157.333



84, 19.874, 287.333



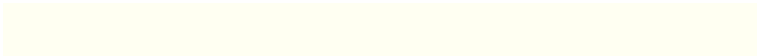
84, 19.874, 337.333

# Sweetspot

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



84, 19.876, 107.338



100, 6.290, 108.642



74, 15.102, 18.047



53, 4.292, 108.574



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, 19.876, 107.338



98, 27.600, 106.951



83, 21.618, 127.046



45, 6.199, 108.218



67, 70.452, 101.238



16, 24.382, 103.146



# Inverse Universe

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



72, 20.686, 291.222



82, 28.992, 291.748



74, 22.206, 308.779



41, 6.331, 290.142



20, 97.913, 305.950



2, 27.086, 293.482



# Previews

## White Background



This preview shows how the CIELCh color 84, 19.874, 107.333 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 84, 19.874, 107.333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

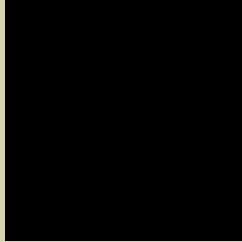
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

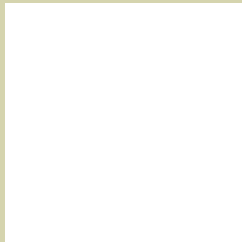
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 84, 19.874, 107.333

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 19.874, 107.333.

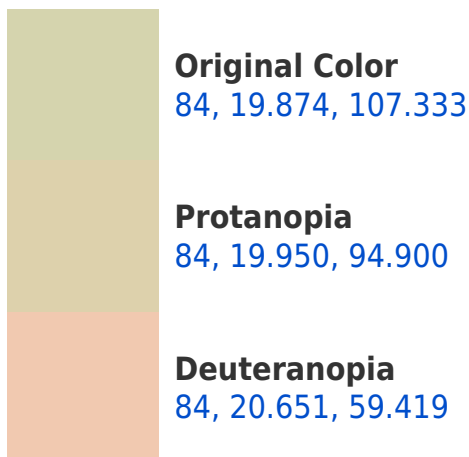


This preview shows how white text looks on a background with the CIELCh color 84, 19.874, 107.333.


# 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

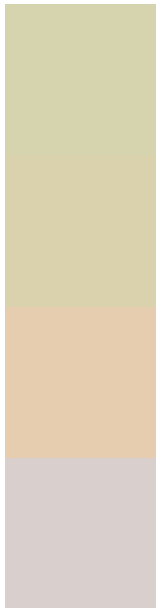






**Tritanopia**  
84, 9.869, 321.322

# Trichromacy



**Original Color**  
84, 19.874, 107.333

**Protanomaly**  
84, 19.621, 99.363

**Deuteranomaly**  
84, 18.828, 76.070

**Tritanomaly**  
84, 3.994, 42.754

# Monochromacy



**Original Color**  
84, 19.874, 107.333

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
84, 6.838, 106.460

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 19.874, 107.333 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(213, 212, 174)` looks like.

```
.text, #text, p{  
    color:rgb(213, 212, 174)  
}
```

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(213, 212, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 212, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 19.874, 107.333 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(213, 212, 174) }
```

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

```
.border{ border-color:rgb(213, 212, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 212, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 212, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 212, 174);  
box-shadow:4px 4px 4px 4px rgb(213, 212,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 19.874, 107.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 212, 174) }
```

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

```
.background{ background-color: rgb(213,  
212, 174) }
```

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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