

# Converting Colors

CIELCh(84, 12.202, 109.116)

Have a look what the booklet for  
CIELCh(84, 12.202, 109.116)  
contains.

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# **Color**

**CIELCh(84, 12.062, 109.126)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3D3BC
RGB	211, 211, 188
RGB Percent	83%, 83%, 74%
CMY	0.1726, 0.1725, 0.2628
CMYK	0.00, 0.00, 0.11, 0.17
HSL	60°, 21%, 78%
HSV	60°, 11%, 83%
XYZ	59.2330, 64.0658, 56.8186
YIQ	208.3780, 7.3830, -7.1530

# Conversions

## Conversions Part 2

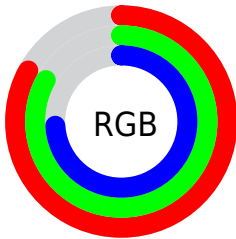
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 211, 188
Decimal	13882300
CIELab	84.00, -3.95, 11.40
CIELCh	84, 12.062, 109.126
Yxy	64.0658, 0.3289, 0.3557
Android (android.graphics.Color)	4292072380 (0xFFD3D3BC)
YUV	208.3780, -10.0464, 2.2995
Hunter-Lab	80.0411, -7.9762, 13.9407

# Details

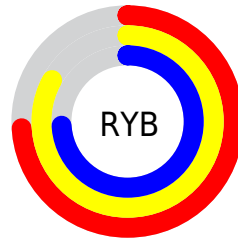
The CIELCh color **84, 12.062, 109.126** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77, 12.370, 291.326**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **64, 12.191, 110.742** is the 20% darker color. If you saturate the color by 10%, you get **84, 23.058, 108.166**, and if you desaturate by 10%, it is **85, 0.991, 110.032**.

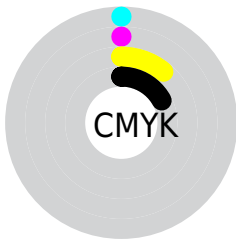
# Distribution



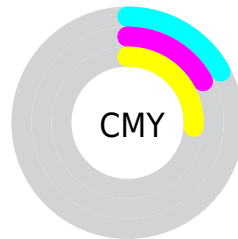
- Red (83%)
- Green (83%)
- Blue (74%)



- Red (74%)
- Yellow (83%)
- Blue (74%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (17%)




- Cyan (17%)
- Magenta (17%)
- Yellow (26%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 12.062, 109.126 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, 12.062, 109.126 by changing the saturation by 10% instead.




 84, 12.062,  
109.126

 84, 12.062,  
109.126


 100, 12.062,  
109.126


 74, 12.062,  
109.126


 64, 12.062,  
109.126

 54, 12.062,  
109.126

 44, 12.062,  
109.126

 34, 12.062,  
109.126

 24, 12.062,  
109.126

 14, 12.062,

109.126

■ 4, 12.062, 109.126

■ 0, 12.062, 109.126

■ 84, 12.062,  
109.126

■ 84, 12.062,  
109.126

■ 84, 23.058,  
108.166

■ 85, 0.991, 110.032

■ 83, 33.890,  
107.203

■ 85, 10.106,  
291.046

■ 83, 44.430,  
106.265

■ 86, 21.190,  
291.954

■ 83, 54.476,  
105.377

■ 86, 23.132,  
292.112

■ 82, 63.723,

■ 86, 23.132,  
292.116

104.570

86, 23.132,  
292.119

82, 71.743,  
103.883

86, 23.132,  
292.122

82, 78.015,  
103.356

86, 23.132,  
292.125

82, 82.078,  
103.021

86, 23.132,  
292.129

82, 84.009,  
102.864

# Harmonies

# Complementary

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



84, 12.062, 109.126



77, 12.370, 291.326

# Rectangle

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



84, 12.062, 109.126



84, 12.062, 159.126



84, 12.062, 289.126



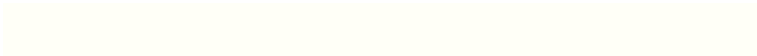
84, 12.062, 339.126

# Sweetspot

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



84, 12.064, 109.134



100, 3.868, 109.877



78, 8.684, 20.046



53, 2.934, 109.803



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, 12.064, 109.134



99, 16.767, 108.918



83, 12.866, 128.595



44, 6.234, 109.278



67, 70.993, 102.864



16, 23.491, 104.906



# Inverse Universe

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



77, 12.370, 291.326



89, 17.277, 291.584



78, 13.065, 309.550



40, 6.372, 291.158



19, 98.027, 306.288

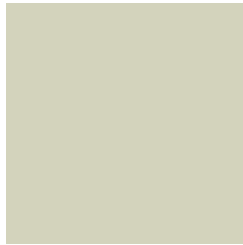


1, 25.555, 293.220



# Previews

## White Background



This preview shows how the CIELCh color 84, 12.062, 109.126 looks on a white background.

## Color Contrast Check

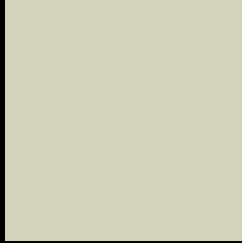
Large Text (above 18pt) WCAG AA × Fail

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, 12.062, 109.126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

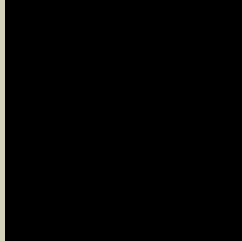
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

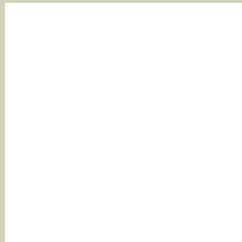
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 84, 12.062, 109.126

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 12.062, 109.126.

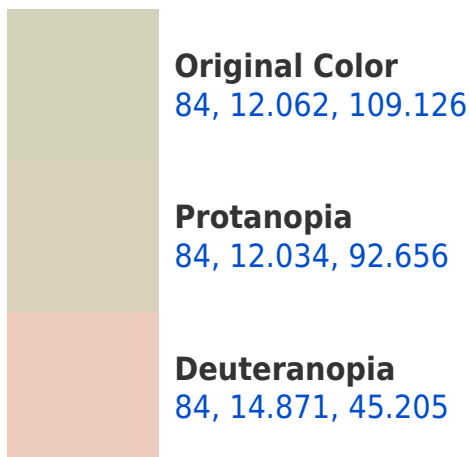


This preview shows how white text looks on a background with the CIELCh color 84, 12.062, 109.126.

# 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, 9.211, 313.592

# Trichromacy



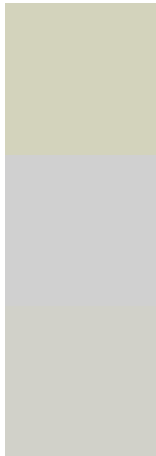
**Original Color**  
84, 12.062, 109.126

**Protanomaly**  
84, 12.205, 100.192

**Deuteranomaly**  
84, 12.177, 63.303

**Tritanomaly**  
84, 2.436, 353.746

# Monochromacy



**Original Color**  
84, 12.062, 109.126

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
84, 4.202, 109.797

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 12.062, 109.126 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, 211, 188)` looks like.

```
.text, #text, p{  
    color:rgb(211, 211, 188)  
}
```

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, 211, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 211, 188) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 12.062, 109.126 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, 211, 188) }
```

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

```
.border{ border-color:rgb(211, 211, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 211, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 211, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 211, 188);  
box-shadow:4px 4px 4px 4px rgb(211, 211,  
188) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 12.062, 109.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 211, 188) }
```

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

```
.background{ background-color: rgb(211,  
211, 188) }
```

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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