

# Converting Colors

CIELCh(84, 13.494, 118.717)

Have a look what the booklet for  
CIELCh(84, 13.494, 118.717)  
contains.

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# **Color**

**CIELCh(84, 13.318, 118.786)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CED4BB
RGB	206, 212, 187
RGB Percent	81%, 83%, 73%
CMY	0.1906, 0.1671, 0.2652
CMYK	0.03, 0.00, 0.12, 0.17
HSL	74°, 23%, 78%
HSV	74°, 12%, 83%
XYZ	58.2149, 64.0658, 56.5268
YIQ	207.3560, 4.4490, -9.0470

# Conversions

## Conversions Part 2

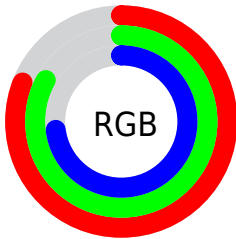
Format	Color
<a href="#">RYB</a>	<a href="#">187, 212, 193</a>
Decimal	<a href="#">13554875</a>
CIELab	<a href="#">84.00, -6.41, 11.67</a>
CIElCh	<a href="#">84, 13.318, 118.786</a>
Yxy	<a href="#">64.0658, 0.3256, 0.3583</a>
Android (android.graphics.Color)	<a href="#">4291744955</a> ( <a href="#">0xFFCED4BB</a> )
YUV	<a href="#">207.3560, -10.0355, -1.1892</a>
Hunter-Lab	<a href="#">80.0411, -10.2467, 14.1568</a>

# Details

The CIELCh color **84, 13.318, 118.786** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77, 13.648, 300.323**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 6.073, 109.711**, and **64, 12.913, 117.719** is the 20% darker color. If you saturate the color by 10%, you get **83, 24.570, 118.144**, and if you desaturate by 10%, it is **85, 2.002, 119.436**.

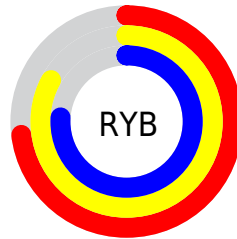
# Distribution



Red (81%)

Green (83%)

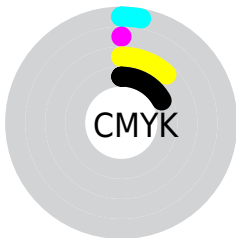
Blue (73%)



Red (73%)

Yellow (83%)

Blue (76%)

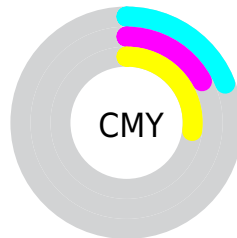


Cyan (3%)

Magenta (0%)

Yellow (12%)

Black (17%)



Cyan (19%)

Magenta (17%)

Yellow (27%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 13.318, 118.786 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, 13.318, 118.786 by changing the saturation by 10% instead.



 84, 13.318,  
118.786

 84, 13.318,  
118.786


 100, 13.318,  
118.786

 74, 13.318,  
118.786


 64, 13.318,  
118.786

 54, 13.318,  
118.786

 44, 13.318,  
118.786

 34, 13.318,  
118.786

 24, 13.318,  
118.786

 14, 13.318,

118.786

■ 4, 13.318, 118.786

■ 0, 13.318, 118.786

■ 84, 13.318,  
118.786

■ 84, 13.318,  
118.786

■ 83, 24.570,  
118.144

■ 85, 2.002, 119.436

■ 82, 35.660,  
117.501

■ 86, 9.321, 300.028

■ 82, 46.457,  
116.887

■ 87, 20.606,  
300.607

■ 81, 56.757,  
116.343

■ 87, 22.931,  
304.200

■ 81, 66.258,

■ 88, 23.362,  
308.389

115.924

88, 23.910,  
312.448

80, 74.537,  
115.712

89, 24.570,  
316.345

80, 81.081,  
115.805

89, 25.336,  
320.058

79, 85.444,  
116.298

90, 26.201,  
323.572

79, 87.577,  
116.975

# Harmonies

# Complementary

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



84, 13.318, 118.786



77, 13.648, 300.323

# Rectangle

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



84, 13.318, 118.786



84, 13.318, 168.786



84, 13.318, 298.786



84, 13.318, 348.786

# Sweetspot

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



84, 13.320, 118.791



100, 5.244, 119.286



80, 7.889, 42.942



53, 3.728, 119.238



0, 0.000, 0.000



53, 0.007, 296.813



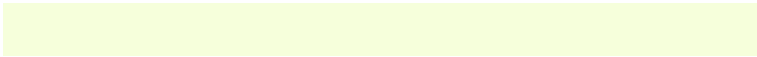


# Same Dimension

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



84, 13.320, 118.791



99, 18.360, 118.638



83, 14.871, 136.269



45, 6.465, 118.942



65, 74.394, 116.786



16, 25.720, 117.661



# Inverse Universe

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



77, 13.648, 300.323



89, 18.901, 300.499



78, 14.997, 317.265



41, 6.595, 300.153



22, 97.045, 307.677

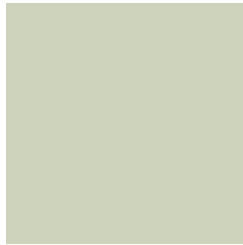


2, 27.925, 299.989



# Previews

## White Background



This preview shows how the CIELCh color 84, 13.318, 118.786 looks on a white background.

## Color Contrast Check

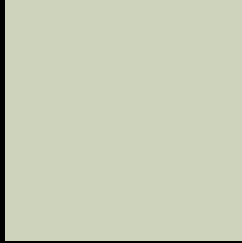
Large Text (above 18pt) WCAG AA × Fail

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, 13.318, 118.786 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

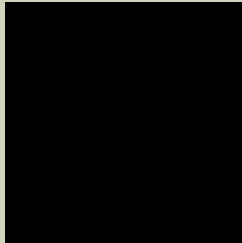
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

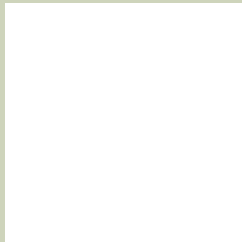
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 84, 13.318, 118.786

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 13.318, 118.786.



This preview shows how white text looks on a background with the CIELCh color 84, 13.318, 118.786.

# 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, 13.318, 118.786

**Protanopia**  
84, 13.152, 92.210

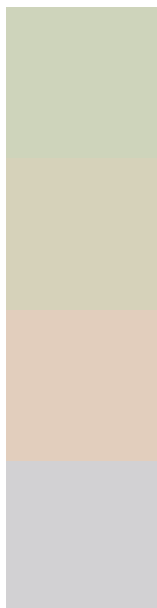
**Deuteranopia**  
84, 14.871, 45.205





**Tritanopia**  
84, 9.176, 302.026

# Trichromacy



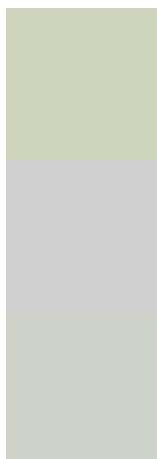
**Original Color**  
84, 13.318, 118.786

**Protanomaly**  
84, 12.675, 102.202

**Deuteranomaly**  
84, 11.754, 68.961

**Tritanomaly**  
84, 1.128, 309.001

# Monochromacy



**Original Color**  
84, 13.318, 118.786

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
84, 4.865, 122.833

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 13.318, 118.786 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(206, 212, 187)` looks like.

```
.text, #text, p{  
    color:rgb(206, 212, 187)  
}
```

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(206, 212, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 212, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 13.318, 118.786 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(206, 212, 187) }
```

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

```
.border{ border-color:rgb(206, 212, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 212, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 212, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 212, 187);  
box-shadow:4px 4px 4px 4px rgb(206, 212,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 13.318, 118.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 212, 187) }
```

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

```
.background{ background-color: rgb(206,  
212, 187) }
```

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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