

Converting Colors

CIELCh(84, 37.385, 135.769)

Have a look what the booklet for
CIELCh(84, 37.385, 135.769)
contains.

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Color

CIELCh(84, 37.385, 135.769)

Conversions

Conversions Part 1

Format	Color
Hex	AFDE9F
RGB	175, 222, 159
RGB Percent	69%, 87%, 62%
CMY	0.3126, 0.1282, 0.3753
CMYK	0.21, 0.00, 0.28, 0.13
HSL	105°, 49%, 75%
HSV	105°, 28%, 87%
XYZ	50.2306, 64.0658, 42.6503
YIQ	200.7650, -7.7890, -29.5570

Conversions

Conversions Part 2

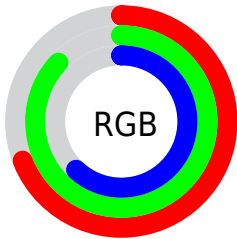
Format	Color
RYB	159, 222, 206
Decimal	11525791
CIELab	84.00, -26.79, 26.08
CIELCh	84, 37.385, 135.769
Yxy	64.0658, 0.3200, 0.4082
Android (android.graphics.Color)	4289715871 (0xFFAFDE9F)
YUV	200.7650, -20.5901, -22.5959
Hunter-Lab	80.0411, -28.0524, 24.4358

Details

The CIELCh color **84, 37.385, 135.769** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **72, 38.040, 318.397**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 22.623, 131.294**, and **64, 37.706, 135.956** is the 20% darker color. If you saturate the color by 10%, you get **83, 50.386, 135.177**, and if you desaturate by 10%, it is **85, 24.188, 136.321**.

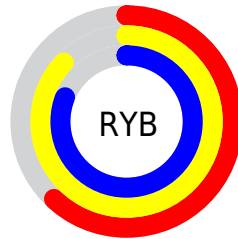
Distribution



Red (69%)

Green (87%)

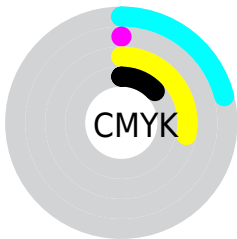
Blue (62%)



Red (62%)

Yellow (87%)

Blue (81%)

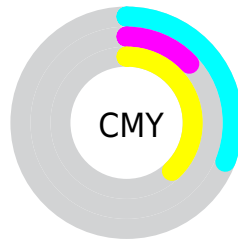


Cyan (21%)

Magenta (0%)

Yellow (28%)

Black (13%)



Cyan (31%)


Magenta (13%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 37.385, 135.769 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, 37.385, 135.769 by changing the saturation by 10% instead.


 84, 37.385,
135.769


 84, 37.385,
135.769


 100, 37.385,
135.769


 74, 37.385,
135.769

 64, 37.385,
135.769

 54, 37.385,
135.769

 44, 37.385,
135.769

 34, 37.385,
135.769


 24, 37.385,
135.769


 14, 37.385,


135.769


 4, 37.385, 135.769


 0, 37.385, 135.769


 84, 37.385,
135.769


 84, 37.385,
135.769

 83, 50.386,
135.177


 85, 24.188,
136.321


 82, 62.946,
134.567

 87, 10.961,
136.824


 81, 74.738,
133.990

 89, 2.168, 317.143

 80, 85.323,
133.529

 91, 15.114,
317.605

 79, 94.151,

 92, 20.457,
325.136

133.303

■ 78, 100.668,
133.441

■ 78, 104.674,
133.973

■ 78, 105.208,
134.057

Harmonies

Complementary

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



84, 37.385, 135.769



72, 38.040, 318.397

Rectangle

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



84, 37.385, 135.769



84, 37.385, 185.769



84, 37.385, 315.769



84, 37.385, 5.769

Sweetspot

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



84, 37.387, 135.770



98, 13.214, 136.789



83, 25.184, 92.592



52, 9.189, 136.717



0, 0.000, 0.000



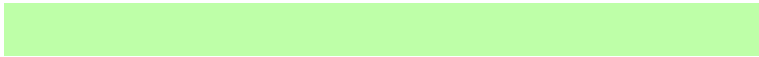
53, 0.007, 296.813

Same Dimension

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



84, 37.387, 135.770



94, 50.037, 135.423



83, 34.338, 149.545



46, 7.517, 136.770



63, 88.150, 133.882



17, 33.105, 134.809

Inverse Universe

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



72, 38.040, 318.397



78, 51.082, 318.651



73, 34.545, 333.609



44, 7.570, 317.558



34, 89.905, 318.887



5, 35.123, 319.461

Previews

White Background



This preview shows how the CIELCh color 84, 37.385, 135.769 looks on a white background.

Color Contrast Check

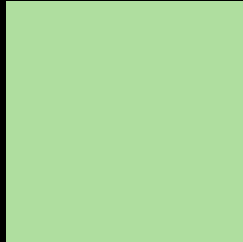
Large Text (above 18pt) WCAG AA × Fail

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, 37.385, 135.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

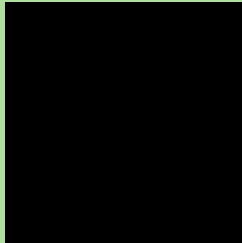
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 37.385, 135.769

Background



This preview shows how black text looks on a background with the CIELCh color 84, 37.385, 135.769.

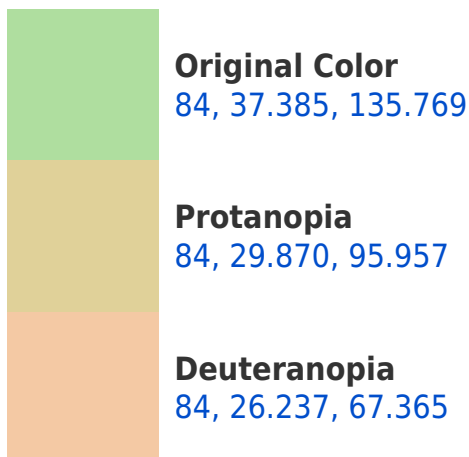


This preview shows how white text looks on a background with the CIELCh color 84, 37.385, 135.769.

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](#).

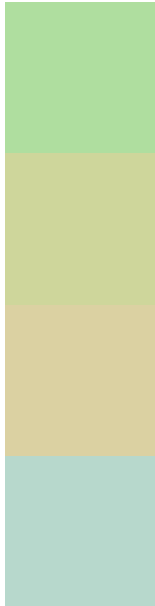
Dichromacy





Tritanopia
84, 12.371, 245.642

Trichromacy



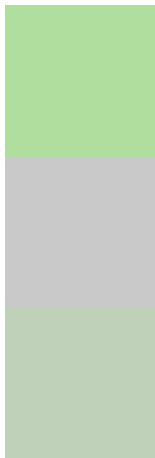
Original Color
84, 37.385, 135.769

Protanomaly
84, 30.841, 113.383

Deuteranomaly
84, 24.909, 98.873

Tritanomaly
84, 13.426, 170.319

Monochromacy



Original Color
84, 37.385, 135.769

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 13.734, 136.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 37.385, 135.769 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(175, 222, 159)` looks like.

```
.text, #text, p{  
    color:rgb(175, 222, 159)  
}
```

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(175, 222, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 222, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 37.385, 135.769 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(175, 222, 159) }
```

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

```
.border{ border-color:rgb(175, 222, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 222, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 222, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 222, 159);  
box-shadow:4px 4px 4px 4px rgb(175, 222,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 37.385, 135.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 222, 159) }
```

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

```
.background{ background-color: rgb(175,  
222, 159) }
```

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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