

Converting Colors

CIELCh(87, 37.512, 149.973)

Have a look what the booklet for
CIELCh(87, 37.512, 149.973)
contains.

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Color

CIELCh(87, 37.489, 149.724)

Conversions

Conversions Part 1

Format	Color
Hex	A4EAB5
RGB	164, 234, 181
RGB Percent	64%, 92%, 71%
CMY	0.3572, 0.0827, 0.2905
CMYK	0.30, 0.00, 0.23, 0.08
HSL	135°, 62%, 78%
HSV	135°, 30%, 92%
XYZ	53.0178, 70.0064, 54.3854
YIQ	207.0280, -24.7070, -31.3230

Conversions

Conversions Part 2

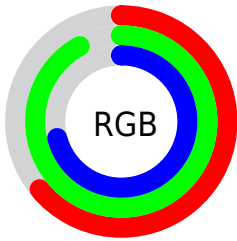
Format	Color
RYB	164, 220, 234
Decimal	10807989
CIELab	87.00, -32.38, 18.90
CIELCh	87, 37.489, 149.724
Yxy	70.0064, 0.2988, 0.3946
Android (android.graphics.Color)	4288998069 (0xFFA4EAB5)
YUV	207.0280, -12.8318, -37.7356
Hunter-Lab	83.6698, -33.3147, 20.0304

Details

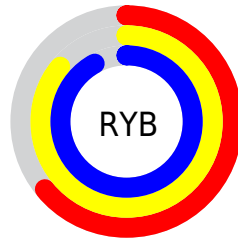
The CIELCh color $87, 37.489, 149.724$ is a light color, and the websafe version is hex `CCFFCC`. A complement of this color would be $75, 37.740, 334.103$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 15.374, 161.749$, and $67, 37.549, 149.722$ is the 20% darker color. If you saturate the color by 10%, you get $86, 49.721, 148.674$, and if you desaturate by 10%, it is $89, 24.984, 150.633$.

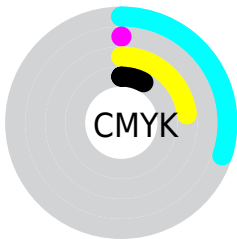
Distribution



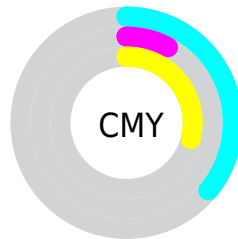
- Red (64%)
- Green (92%)
- Blue (71%)



- Red (64%)
- Yellow (86%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (23%)
- Black (8%)



- Cyan (36%)
- Magenta (8%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 37.489, 149.724 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 87, 37.489, 149.724 by changing the saturation by 10% instead.

■ 87, 37.489,
149.724

■ 87, 37.489,
149.724

■ 100, 37.489,
149.724

■ 77, 37.489,
149.724

■ 67, 37.489,
149.724

■ 57, 37.489,
149.724

■ 47, 37.489,
149.724

■ 37, 37.489,
149.724


■ 27, 37.489,
149.724

■ 17, 37.489,

149.724

 7, 37.489, 149.724

 0, 37.489, 149.724


 87, 37.489,
149.724

 87, 37.489,
149.724

 86, 49.721,
148.674


 89, 24.984,
150.633


 84, 61.438,
147.463

 91, 12.400,
151.429


 83, 72.382,
146.078

 93, 0.102, 328.531

 83, 82.290,
144.520

 95, 11.837,
329.443

 82, 90.925,

 95, 13.166,
324.876

142.814

■ 82, 98.092,
141.022

■ 81, 103.729,
139.288

■ 81, 103.767,
139.276

Harmonies

Complementary

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



87, 37.489, 149.724



75, 37.740, 334.103

Rectangle

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



87, 37.489, 149.724



87, 37.489, 199.724



87, 37.489, 329.724



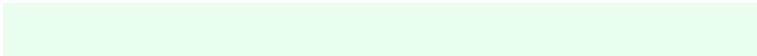
87, 37.489, 19.724

Sweetspot

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



87, 37.491, 149.724



98, 12.053, 151.496



90, 36.325, 117.326



52, 8.382, 151.385



0, 0.000, 0.000



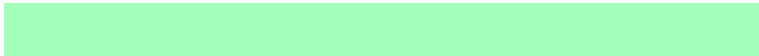
53, 0.007, 296.813

Same Dimension

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



87, 37.491, 149.724



93, 48.223, 149.086



88, 25.773, 175.373



48, 7.112, 151.464



64, 85.036, 139.585



18, 33.635, 143.103

Inverse Universe

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



75, 37.740, 334.103



78, 48.531, 334.569



74, 28.499, 1.677



46, 7.140, 332.657



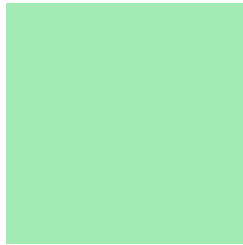
41, 74.199, 340.859



8, 32.598, 338.590

Previews

White Background



This preview shows how the CIE LCh color 87, 37.489, 149.724 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 87, 37.489, 149.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

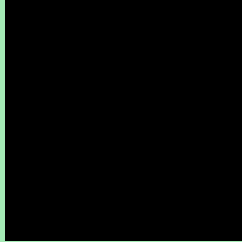
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 37.489, 149.724

Background



This preview shows how black text looks on a background with the CIELCh color 87, 37.489, 149.724.

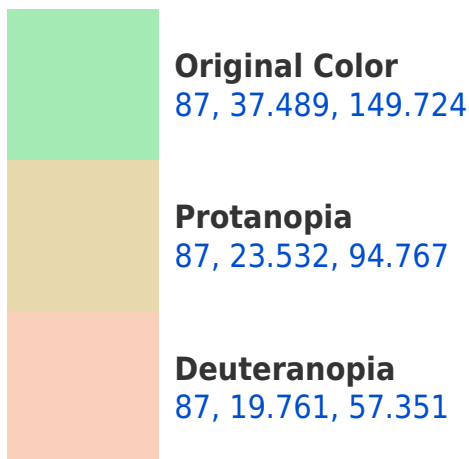


This preview shows how white text looks on a background with the CIELCh color 87, 37.489, 149.724.

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



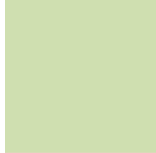


Tritanopia
87, 18.422, 229.437

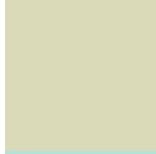
Trichromacy



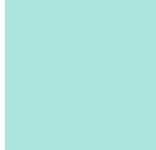
Original Color
87, 37.489, 149.724



Protanomaly
87, 25.148, 122.165



Deuteranomaly
86, 17.701, 108.669

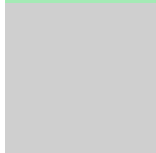


Tritanomaly
87, 19.814, 185.808

Monochromacy



Original Color
87, 37.489, 149.724



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 13.828, 152.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 37.489, 149.724 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(164, 234, 181)` looks like.

```
.text, #text, p{  
    color:rgb(164, 234, 181)  
}
```

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(164, 234, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 234, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 37.489, 149.724 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(164, 234, 181) }
```

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

```
.border{ border-color:rgb(164, 234, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 234, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 234, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 234, 181);  
box-shadow:4px 4px 4px 4px rgb(164, 234,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 37.489, 149.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 234, 181) }
```

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

```
.background{ background-color: rgb(164,  
234, 181) }
```

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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