

Converting Colors

CIELCh(87, 44.863, 129.621)

Have a look what the booklet for
CIELCh(87, 44.863, 129.621)
contains.

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Color

CIELCh(87, 44.563, 129.619)

Conversions

Conversions Part 1

Format	Color
Hex	BAE797
RGB	186, 231, 151
RGB Percent	73%, 91%, 59%
CMY	0.2696, 0.0931, 0.4069
CMYK	0.19, 0.00, 0.35, 0.09
HSL	94°, 63%, 75%
HSV	94°, 35%, 91%
XYZ	54.5625, 70.0064, 40.0164
YIQ	208.4250, -1.1400, -34.4200

Conversions

Conversions Part 2

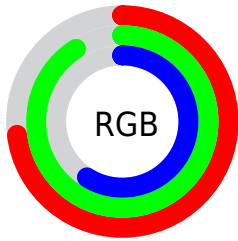
Format	Color
RYB	151, 231, 196
Decimal	12248983
CIELab	87.00, -28.42, 34.33
CIELCh	87, 44.563, 129.619
Yxy	70.0064, 0.3315, 0.4254
Android (android.graphics.Color)	4290439063 (0xFFBAE797)
YUV	208.4250, -28.3105, -19.6667
Hunter-Lab	83.6698, -30.0194, 30.2125

Details

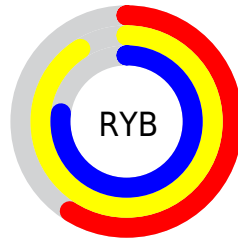
The CIELCh color **87, 44.563, 129.619** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69, 46.472, 312.819**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 25.184, 118.490**, and **67, 44.384, 129.344** is the 20% darker color. If you saturate the color by 10%, you get **86, 57.018, 129.143**, and if you desaturate by 10%, it is **88, 31.785, 130.112**.

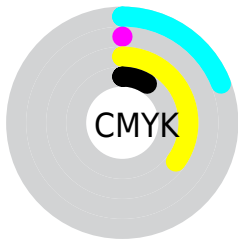
Distribution



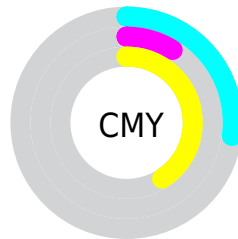
- Red (73%)
- Green (91%)
- Blue (59%)



- Red (59%)
- Yellow (91%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (35%)
- Black (9%)



- Cyan (27%)
- Magenta (9%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 44.563, 129.619 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, 44.563, 129.619 by changing the saturation by 10% instead.

■ 87, 44.563,
129.619

■ 87, 44.563,
129.619

■ 100, 44.563,
129.619

■ 77, 44.563,
129.619

■ 67, 44.563,
129.619

■ 57, 44.563,
129.619

■ 47, 44.563,
129.619

■ 37, 44.563,
129.619

■ 27, 44.563,
129.619

■ 17, 44.563,


129.619


 7, 44.563, 129.619

 0, 44.563, 129.619


 87, 44.563,
129.619

 87, 44.563,
129.619

 86, 57.018,
129.143


 88, 31.785,
130.112

 85, 68.883,
128.727

 90, 18.862,
130.591


 84, 79.788,
128.449

 91, 5.923, 131.055

 83, 89.236,
128.420

 93, 6.942, 311.414

 83, 96.665,

 94, 14.147,
320.514

128.772

94, 14.829,
324.936

82, 101.666,
129.606

82, 103.569,
130.187

Harmonies

Complementary

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



87, 44.563, 129.619



69, 46.472, 312.819

Rectangle

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



87, 44.563, 129.619



87, 44.563, 179.619



87, 44.563, 309.619



87, 44.563, 359.619

Sweetspot

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



87, 44.565, 129.620



98, 13.968, 130.802



81, 27.699, 76.112



52, 9.534, 130.737



0, 0.000, 0.000



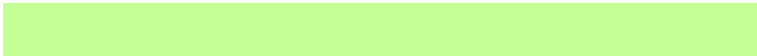
53, 0.007, 296.813

Same Dimension

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



87, 44.565, 129.620



94, 58.251, 129.253



85, 49.238, 143.239



47, 7.282, 130.829



65, 85.084, 129.921



18, 32.913, 129.633

Inverse Universe

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



69, 46.472, 312.819



71, 61.356, 313.190



73, 49.205, 327.747



45, 7.370, 311.614



29, 94.185, 313.440



4, 36.005, 313.262

Previews

White Background



This preview shows how the CIELCh color 87, 44.563, 129.619 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 87, 44.563, 129.619 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, 44.563, 129.619

Background



This preview shows how black text looks on a background with the CIELCh color 87, 44.563, 129.619.

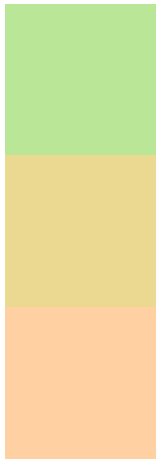


This preview shows how white text looks on a background with the CIELCh color 87, 44.563, 129.619.

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
87, 44.563, 129.619

Protanopia
87, 38.002, 95.253

Deuteranopia
87, 31.036, 71.377

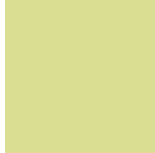


Tritanopia
87, 11.445, 250.332

Trichromacy



Original Color
87, 44.563, 129.619



Protanomaly
87, 38.557, 109.288



Deuteranomaly
86, 31.026, 97.930

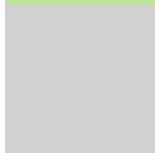


Tritanomaly
87, 15.008, 156.985

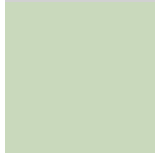
Monochromacy



Original Color
87, 44.563, 129.619



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 16.346, 130.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 44.563, 129.619 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(186, 231, 151)` looks like.

```
.text, #text, p{  
    color:rgb(186, 231, 151)  
}
```

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(186, 231, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 231, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 44.563, 129.619 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(186, 231, 151) }
```

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

```
.border{ border-color:rgb(186, 231, 151) }
```

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

Here you see how a box with a 4 pixel rgb(186, 231, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 231, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 231, 151);  
box-shadow:4px 4px 4px 4px rgb(186, 231,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 44.563, 129.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 231, 151) }
```

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

```
.background{ background-color: rgb(186,  
231, 151) }
```

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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