

Converting Colors

CIELCh(86, 48.525, 124.515)

Have a look what the booklet for
CIELCh(86, 48.525, 124.515)
contains.

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Color

CIELCh(86, 48.906, 124.566)

Conversions

Conversions Part 1

Format	Color
Hex	BDE489
RGB	189, 228, 137
RGB Percent	74%, 89%, 54%
CMY	0.2595, 0.1066, 0.4634
CMYK	0.17, 0.00, 0.40, 0.11
HSL	86°, 63%, 72%
HSV	86°, 40%, 89%
XYZ	53.1410, 67.9871, 33.9271
YIQ	205.9650, 5.9670, -36.5690

Conversions

Conversions Part 2

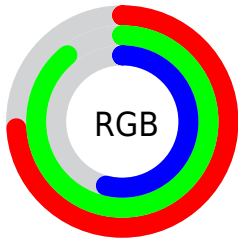
Format	Color
RYB	137, 228, 176
Decimal	12444809
CIELab	86.00, -27.75, 40.27
CIELCh	86, 48.906, 124.566
Yxy	67.9871, 0.3427, 0.4385
Android (android.graphics.Color)	4290634889 (0xFFBDE489)
YUV	205.9650, -33.9997, -14.8783
Hunter-Lab	82.4543, -29.2536, 33.3222

Details

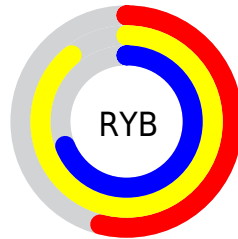
The CIELCh color **86, 48.906, 124.566** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64, 52.345, 308.794**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 32.422, 113.767**, and **66, 48.844, 124.448** is the 20% darker color. If you saturate the color by 10%, you get **85, 60.460, 124.129**, and if you desaturate by 10%, it is **87, 36.902, 125.061**.

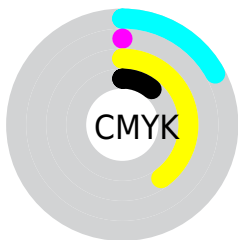
Distribution



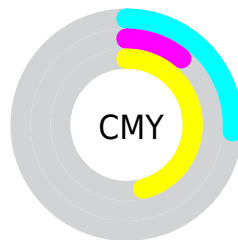
- Red (74%)
- Green (89%)
- Blue (54%)



- Red (54%)
- Yellow (89%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)



- Cyan (26%)
- Magenta (11%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 48.906, 124.566 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 86, 48.906, 124.566 by changing the saturation by 10% instead.

■ 86, 48.906,
124.566

■ 86, 48.906,
124.566

■ 100, 48.906,
124.566

■ 76, 48.906,
124.566

■ 66, 48.906,
124.566

■ 56, 48.906,
124.566

■ 46, 48.906,
124.566

■ 36, 48.906,
124.566

■ 26, 48.906,
124.566

■ 16, 48.906,


124.566


 6, 48.906, 124.566


 0, 48.906, 124.566


 86, 48.906,
124.566

 86, 48.906,
124.566


 85, 60.460,
124.129


 87, 36.902,
125.061

 84, 71.257,
123.809

 88, 24.648,
125.571


 84, 80.877,
123.698

 89, 12.286,
126.074

 83, 88.787,
123.916

 91, 0.087, 305.352

 82, 94.488,

 92, 12.403,
306.977

124.587

93, 15.673,
316.835

82, 98.027,
125.701

93, 16.985,
325.013

82, 98.047,
125.708

Harmonies

Complementary

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



86, 48.906, 124.566



64, 52.345, 308.794

Rectangle

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



86, 48.906, 124.566



86, 48.906, 174.566



86, 48.906, 304.566



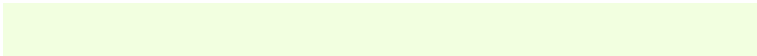
86, 48.906, 354.566

Sweetspot

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



86, 48.908, 124.568



98, 16.258, 125.967



75, 30.563, 61.705



52, 10.785, 125.901



0, 0.000, 0.000



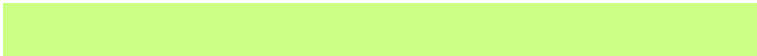
53, 0.007, 296.813

Same Dimension

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



86, 48.908, 124.568



94, 63.819, 124.195



84, 56.361, 139.514



48, 7.063, 126.097



66, 81.507, 125.444



19, 31.603, 124.924

Inverse Universe

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



64, 52.345, 308.794



65, 69.463, 309.334



69, 56.635, 324.113



45, 7.174, 306.991



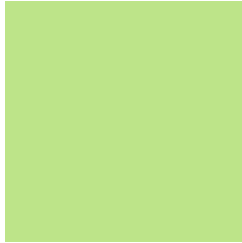
26, 96.911, 310.425



4, 35.190, 308.515

Previews

White Background



This preview shows how the CIELCh color 86, 48.906, 124.566 looks on a white background.

Color Contrast Check

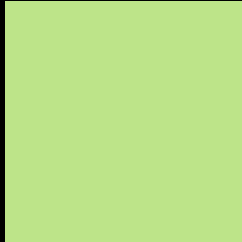
Large Text (above 18pt) WCAG AA × Fail

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 86, 48.906, 124.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

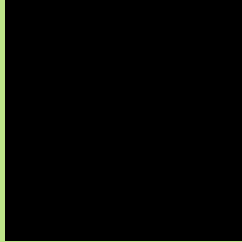
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 48.906, 124.566

Background



This preview shows how black text looks on a background with the CIELCh color 86, 48.906, 124.566.



This preview shows how white text looks on a background with the CIELCh color 86, 48.906, 124.566.

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
86, 48.906, 124.566

Protanopia
86, 43.467, 96.086

Deuteranopia
86, 36.735, 74.309



Tritanopia
86, 10.032, 262.349

Trichromacy



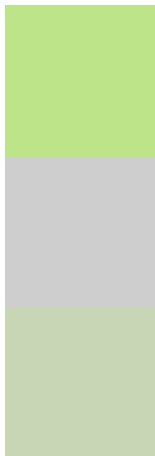
Original Color
86, 48.906, 124.566

Protanomaly
86, 44.022, 107.472

Deuteranomaly
86, 36.927, 96.235

Tritanomaly
86, 14.329, 145.014

Monochromacy



Original Color
86, 48.906, 124.566

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 18.108, 125.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 48.906, 124.566 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(189, 228, 137)` looks like.

```
.text, #text, p{  
    color:rgb(189, 228, 137)  
}
```

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(189, 228, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 228, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 48.906, 124.566 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(189, 228, 137) }
```

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

```
.border{ border-color:rgb(189, 228, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 228, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 228, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 228, 137);  
box-shadow:4px 4px 4px 4px rgb(189, 228,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 48.906, 124.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 228, 137) }
```

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

```
.background{ background-color: rgb(189,  
228, 137) }
```

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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