

Converting Colors

CIELCh(86, 40.987, 133.500)

Have a look what the booklet for
CIELCh(86, 40.987, 133.500)
contains.

CIELCh(86, 40.987, 133.500)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 40.987, 133.500)

Conversions

Conversions Part 1

Format	Color
Hex	B5E59E
RGB	181, 229, 158
RGB Percent	71%, 90%, 62%
CMY	0.2921, 0.1039, 0.3822
CMYK	0.21, 0.00, 0.31, 0.10
HSL	101°, 57%, 76%
HSV	101°, 31%, 90%
XYZ	52.9606, 67.9871, 42.4716
YIQ	206.5540, -5.8170, -32.2570

Conversions

Conversions Part 2

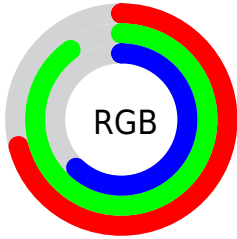
Format	Color
RYB	158, 229, 206
Decimal	11920798
CIELab	86.00, -28.21, 29.73
CIELCh	86, 40.987, 133.500
Yxy	67.9871, 0.3241, 0.4160
Android (android.graphics.Color)	4290110878 (0xFFB5E59E)
YUV	206.5540, -23.9371, -22.4109
Hunter-Lab	82.4543, -29.6440, 27.1782

Details

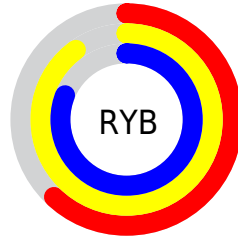
The CIELCh color $86, 40.987, 133.500$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $72, 42.053, 316.312$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 22.205, 124.855$, and $66, 40.760, 133.441$ is the 20% darker color. If you saturate the color by 10%, you get $85, 53.907, 132.958$, and if you desaturate by 10%, it is $87, 27.819, 134.024$.

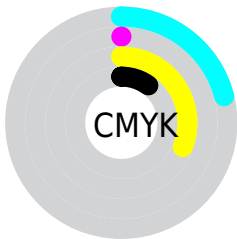
Distribution



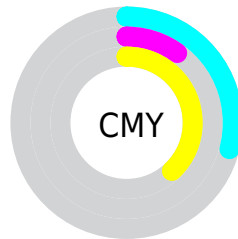
- Red (71%)
- Green (90%)
- Blue (62%)



- Red (62%)
- Yellow (90%)
- Blue (81%)



- Cyan (21%)
- Magenta (0%)
- Yellow (31%)
- Black (10%)




- Cyan (29%)
- Magenta (10%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 40.987, 133.500 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, 40.987, 133.500 by changing the saturation by 10% instead.


 86, 40.987,
133.500


 86, 40.987,
133.500


 100, 40.987,
133.500


 76, 40.987,
133.500

 66, 40.987,
133.500

 56, 40.987,
133.500

 46, 40.987,
133.500

 36, 40.987,
133.500


 26, 40.987,
133.500


 16, 40.987,


133.500

 6, 40.987, 133.500


 0, 40.987, 133.500


 86, 40.987,
133.500


 86, 40.987,
133.500

 85, 53.907,
132.958


 87, 27.819,
134.024


 84, 66.323,
132.431

 89, 14.573,
134.511


 83, 77.890,
131.981

 91, 1.380, 135.071

 82, 88.140,
131.703

 92, 11.673,
315.300

 81, 96.505,

 94, 16.553,
324.997

131.727

■ 81, 102.471,
132.171

■ 80, 105.848,
132.876

Harmonies

Complementary

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



86, 40.987, 133.500



72, 42.053, 316.312

Rectangle

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



86, 40.987, 133.500



86, 40.987, 183.500



86, 40.987, 313.500



86, 40.987, 3.500

Sweetspot

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



86, 40.989, 133.501



98, 12.952, 134.605



83, 26.650, 87.102



52, 9.006, 134.536



0, 0.000, 0.000



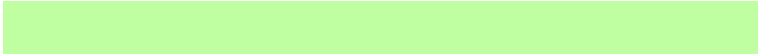
53, 0.007, 296.813

Same Dimension

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



86, 40.989, 133.501



94, 53.232, 133.167



85, 40.377, 147.040



47, 7.505, 134.586



64, 87.764, 132.661



18, 34.015, 132.786

Inverse Universe

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



72, 42.053, 316.312



75, 54.892, 316.579



73, 40.490, 331.327



45, 7.572, 315.354



32, 92.026, 316.647



5, 36.630, 317.289

Previews

White Background



This preview shows how the CIELCh color 86, 40.987, 133.500 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 86, 40.987, 133.500 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, 40.987, 133.500

Background



This preview shows how black text looks on a background with the CIELCh color 86, 40.987, 133.500.



This preview shows how white text looks on a background with the CIELCh color 86, 40.987, 133.500.

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](#).

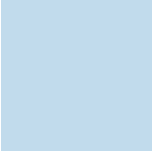
Dichromacy



Original Color
86, 40.987, 133.500

Protanopia
86, 33.433, 95.505

Deuteranopia
86, 29.845, 69.779

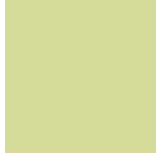


Tritanopia
86, 12.320, 245.578

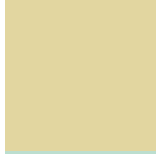
Trichromacy



Original Color
86, 40.987, 133.500



Protanomaly
86, 34.179, 111.250



Deuteranomaly
85, 28.500, 98.108

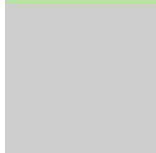


Tritanomaly
86, 14.529, 165.603

Monochromacy



Original Color
86, 40.987, 133.500



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 15.091, 133.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 40.987, 133.500 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(181, 229, 158)` looks like.

```
.text, #text, p{  
    color:rgb(181, 229, 158)  
}
```

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(181, 229, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 229, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 40.987, 133.500 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(181, 229, 158) }
```

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

```
.border{ border-color:rgb(181, 229, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 229, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 229, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 229, 158); box-shadow:4px 4px 4px 4px rgb(181, 229, 158) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 40.987, 133.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 229, 158) }
```

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

```
.background{ background-color: rgb(181,  
229, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor