

Converting Colors

CIELCh(87, 45.743, 134.561)

Have a look what the booklet for
CIELCh(87, 45.743, 134.561)
contains.

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Color

CIELCh(87, 45.860, 134.342)

Conversions

Conversions Part 1

Format	Color
Hex	B1E99A
RGB	177, 233, 154
RGB Percent	69%, 91%, 60%
CMY	0.3056, 0.0860, 0.3958
CMYK	0.24, 0.00, 0.34, 0.09
HSL	103°, 64%, 76%
HSV	103°, 34%, 91%
XYZ	53.1425, 70.0064, 41.3112
YIQ	207.2500, -8.0170, -36.4410

Conversions

Conversions Part 2

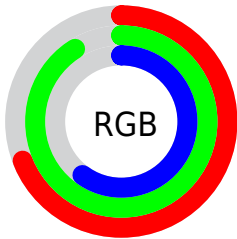
Format	Color
RYB	154, 233, 210
Decimal	11659674
CIELab	87.00, -32.05, 32.80
CIElCh	87, 45.860, 134.342
Yxy	70.0064, 0.3231, 0.4257
Android (android.graphics.Color)	4289849754 (0xFFB1E99A)
YUV	207.2500, -26.2523, -26.5293
Hunter-Lab	83.6698, -33.0487, 29.2950

Details

The CIELCh color **87, 45.860, 134.342** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **71, 46.997, 317.474**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 24.591, 126.683**, and **67, 45.778, 134.226** is the 20% darker color. If you saturate the color by 10%, you get **86, 59.001, 133.771**, and if you desaturate by 10%, it is **88, 32.395, 134.894**.

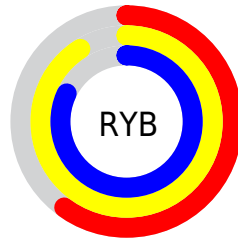
Distribution



Red (69%)

Green (91%)

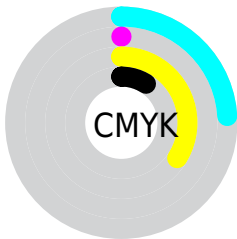
Blue (60%)



Red (60%)

Yellow (91%)

Blue (82%)

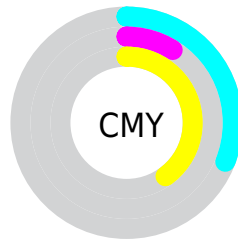


Cyan (24%)

Magenta (0%)

Yellow (34%)

Black (9%)



Cyan (31%)


Magenta (9%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 45.860, 134.342 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, 45.860, 134.342 by changing the saturation by 10% instead.


 87, 45.860,
134.342


 87, 45.860,
134.342


 100, 45.860,
134.342


 77, 45.860,
134.342

 67, 45.860,
134.342

 57, 45.860,
134.342

 47, 45.860,
134.342

 37, 45.860,
134.342


 27, 45.860,
134.342


 17, 45.860,


134.342

 7, 45.860, 134.342


 0, 45.860, 134.342


 87, 45.860,
134.342

 87, 45.860,
134.342

 86, 59.001,
133.771


 88, 32.395,
134.894

 85, 71.523,
133.220


 90, 18.806,
135.406


 84, 83.033,
132.758

 92, 5.245, 135.890

 83, 93.009,
132.493

 94, 8.184, 316.229

 82, 100.860,

 95, 13.691,
324.895

132.556

■ 82, 106.127,
133.051

■ 82, 108.253,
133.493

Harmonies

Complementary

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



87, 45.860, 134.342



71, 46.997, 317.474

Rectangle

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



87, 45.860, 134.342



87, 45.860, 184.342



87, 45.860, 314.342



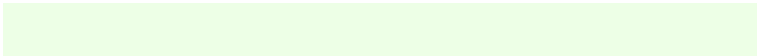
87, 45.860, 4.342

Sweetspot

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



87, 45.862, 134.343



98, 14.532, 135.592



85, 30.475, 89.364



52, 9.921, 135.524



0, 0.000, 0.000



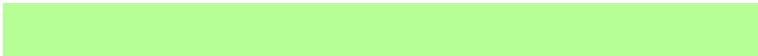
53, 0.007, 296.813

Same Dimension

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



87, 45.862, 134.343



93, 59.410, 133.926



86, 43.646, 147.848



48, 7.714, 135.620



65, 89.377, 133.292



19, 35.806, 133.182

Inverse Universe

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



71, 46.997, 317.474



73, 61.181, 317.776



73, 43.819, 332.735



46, 7.775, 316.397



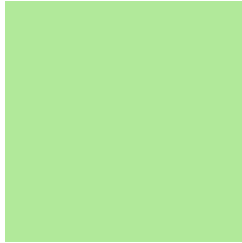
34, 92.439, 317.660



6, 38.515, 318.649

Previews

White Background



This preview shows how the CIELCh color 87, 45.860, 134.342 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, 45.860, 134.342 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, 45.860, 134.342

Background



This preview shows how black text looks on a background with the CIELCh color 87, 45.860, 134.342.

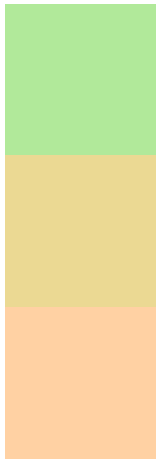


This preview shows how white text looks on a background with the CIELCh color 87, 45.860, 134.342.

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, 45.860, 134.342

Protanopia
87, 36.923, 95.669

Deuteranopia
87, 30.604, 70.877

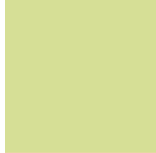


Tritanopia
87, 13.772, 242.292

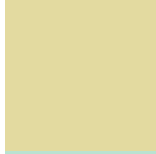
Trichromacy



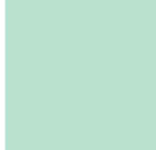
Original Color
87, 45.860, 134.342



Protanomaly
87, 37.684, 112.449



Deuteranomaly
87, 30.258, 100.825

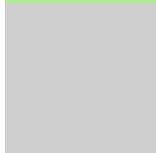


Tritanomaly
87, 16.821, 166.304

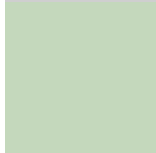
Monochromacy



Original Color
87, 45.860, 134.342



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 16.510, 135.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 45.860, 134.342 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(177, 233, 154)` looks like.

```
.text, #text, p{  
    color:rgb(177, 233, 154)  
}
```

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(177, 233, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 233, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 45.860, 134.342 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(177, 233, 154) }
```

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

```
.border{ border-color:rgb(177, 233, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 233, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 233, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 233, 154);  
box-shadow:4px 4px 4px 4px rgb(177, 233,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 45.860, 134.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 233, 154) }
```

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

```
.background{ background-color: rgb(177,  
233, 154) }
```

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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