

Converting Colors

CIELCh(87, 45.622, 136.746)

Have a look what the booklet for
CIELCh(87, 45.622, 136.746)
contains.

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Color

CIELCh(87, 45.840, 136.815)

Conversions

Conversions Part 1

Format	Color
Hex	ADEA9D
RGB	173, 234, 157
RGB Percent	68%, 92%, 62%
CMY	0.3224, 0.0832, 0.3851
CMYK	0.26, 0.00, 0.33, 0.08
HSL	108°, 64%, 77%
HSV	108°, 33%, 92%
XYZ	52.6137, 70.0064, 42.5450
YIQ	206.9830, -11.6390, -36.8790

Conversions

Conversions Part 2

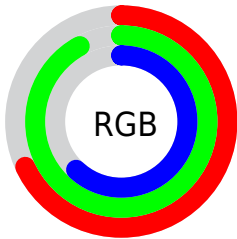
Format	Color
RYB	157, 234, 218
Decimal	11397789
CIELab	87.00, -33.42, 31.37
CIELCh	87, 45.840, 136.815
Yxy	70.0064, 0.3186, 0.4239
Android (android.graphics.Color)	4289587869 (0xFFADEA9D)
YUV	206.9830, -24.6416, -29.8031
Hunter-Lab	83.6698, -34.1768, 28.4207

Details

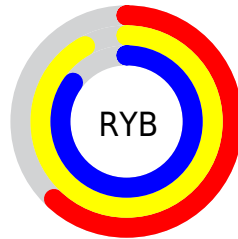
The CIELCh color **87, 45.840, 136.815** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **73, 46.558, 320.036**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 23.704, 131.123**, and **67, 45.779, 136.760** is the 20% darker color. If you saturate the color by 10%, you get **86, 59.386, 136.156**, and if you desaturate by 10%, it is **89, 31.964, 137.429**.

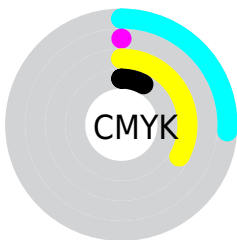
Distribution



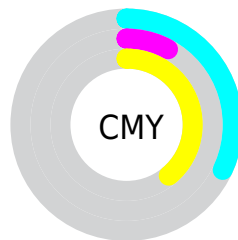
- Red (68%)
- Green (92%)
- Blue (62%)



- Red (62%)
- Yellow (92%)
- Blue (85%)



- Cyan (26%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)



- Cyan (32%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 45.840, 136.815 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, 45.840, 136.815 by changing the saturation by 10% instead.

■ 87, 45.840,
136.815

■ 87, 45.840,
136.815

■ 100, 45.840,
136.815

■ 77, 45.840,
136.815

■ 67, 45.840,
136.815

■ 57, 45.840,
136.815

■ 47, 45.840,
136.815

■ 37, 45.840,
136.815


■ 27, 45.840,
136.815


■ 17, 45.840,


136.815


 7, 45.840, 136.815


 0, 45.840, 136.815


 87, 45.840,
136.815

 87, 45.840,
136.815

 86, 59.386,
136.156


 89, 31.964,
137.429


 85, 72.291,
135.484


 90, 17.978,
137.982


 84, 84.143,
134.860

 92, 4.046, 138.509

 83, 94.409,
134.386

 94, 9.715, 318.847

 82, 102.479,

 95, 13.245,
324.878

134.193

■ 82, 107.859,
134.391

■ 81, 110.191,
134.702

Harmonies

Complementary

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



87, 45.840, 136.815



73, 46.558, 320.036

Rectangle

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



87, 45.840, 136.815



87, 45.840, 186.815



87, 45.840, 316.815



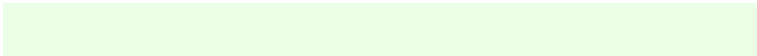
87, 45.840, 6.815

Sweetspot

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



87, 45.842, 136.816



98, 14.895, 138.132



87, 31.974, 95.441



52, 10.170, 138.059



0, 0.000, 0.000



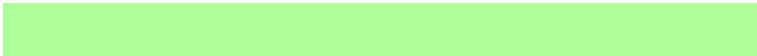
53, 0.007, 296.813

Same Dimension

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



87, 45.842, 136.816



93, 59.506, 136.340



87, 39.944, 150.904



48, 7.906, 138.162



65, 90.808, 134.545



19, 36.523, 134.841

Inverse Universe

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



73, 46.558, 320.036



74, 60.595, 320.337



74, 40.332, 335.992



46, 7.952, 318.980



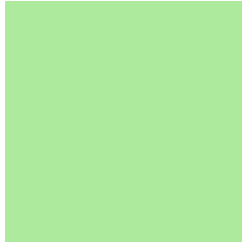
36, 91.166, 320.446



7, 38.626, 321.408

Previews

White Background



This preview shows how the CIELCh color 87, 45.840, 136.815 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, 45.840, 136.815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

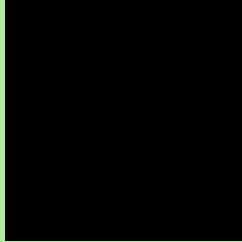
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 45.840, 136.815

Background



This preview shows how black text looks on a background with the CIELCh color 87, 45.840, 136.815.

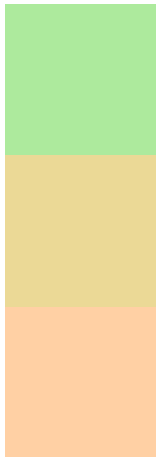


This preview shows how white text looks on a background with the CIELCh color 87, 45.840, 136.815.

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, 45.840, 136.815

Protanopia
87, 35.433, 95.358

Deuteranopia
87, 30.048, 69.221

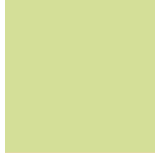


Tritanopia
87, 14.949, 238.074

Trichromacy



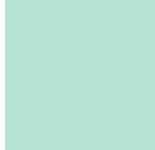
Original Color
87, 45.840, 136.815



Protanomaly
87, 36.781, 113.885



Deuteranomaly
86, 29.219, 101.457

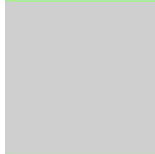


Tritanomaly
87, 18.253, 168.951

Monochromacy



Original Color
87, 45.840, 136.815



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 16.851, 137.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 45.840, 136.815 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(173, 234, 157)` looks like.

```
.text, #text, p{  
    color:rgb(173, 234, 157)  
}
```

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(173, 234, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 234, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 45.840, 136.815 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(173, 234, 157) }
```

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

```
.border{ border-color:rgb(173, 234, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 234, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 234, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 234, 157); box-shadow:4px 4px 4px 4px rgb(173, 234, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 45.840, 136.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 234, 157) }
```

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

```
.background{ background-color: rgb(173,  
234, 157) }
```

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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