

Converting Colors

CIELCh(86, 55.631, 132.618)

Have a look what the booklet for
CIELCh(86, 55.631, 132.618)
contains.

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Color

CIELCh(86, 55.436, 132.731)

Conversions

Conversions Part 1

Format	Color
Hex	A7E887
RGB	167, 232, 135
RGB Percent	65%, 91%, 53%
CMY	0.3434, 0.0884, 0.4690
CMYK	0.28, 0.00, 0.42, 0.09
HSL	100°, 68%, 72%
HSV	100°, 42%, 91%
XYZ	49.4119, 67.9871, 33.5922
YIQ	201.5070, -7.6030, -43.9470

Conversions

Conversions Part 2

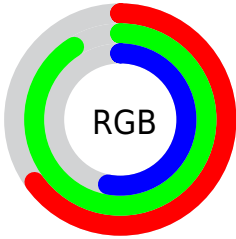
Format	Color
RYB	135, 232, 200
Decimal	11004039
CIELab	86.00, -37.62, 40.72
CIElCh	86, 55.436, 132.731
Yxy	67.9871, 0.3273, 0.4503
Android (android.graphics.Color)	4289194119 (0xFFA7E887)
YUV	201.5070, -32.7880, -30.2626
Hunter-Lab	82.4543, -37.3263, 33.5630

Details

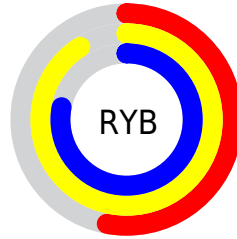
The CIELCh color **86, 55.436, 132.731** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66, 57.427, 316.574**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 35.344, 126.771**, and **66, 55.636, 132.736** is the 20% darker color. If you saturate the color by 10%, you get **85, 67.955, 132.213**, and if you desaturate by 10%, it is **87, 42.392, 133.271**.

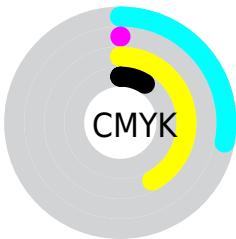
Distribution



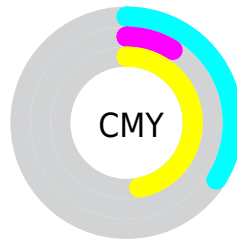
- Red (65%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (78%)



- Cyan (28%)
- Magenta (0%)
- Yellow (42%)
- Black (9%)





- Cyan (34%)
- Magenta (9%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 55.436, 132.731 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, 55.436, 132.731 by changing the saturation by 10% instead.


 86, 55.436,
132.731


 86, 55.436,
132.731


 100, 55.436,
132.731


 76, 55.436,
132.731

 66, 55.436,
132.731

 56, 55.436,
132.731

 46, 55.436,
132.731

 36, 55.436,
132.731

 26, 55.436,
132.731

 16, 55.436,

132.731

■ 6, 55.436, 132.731

■ 0, 55.436, 132.731

■ 86, 55.436,
132.731

■ 86, 55.436,
132.731

■ 85, 67.955,
132.213

■ 87, 42.392,
133.271

■ 84, 79.583,
131.780

■ 89, 29.075,
133.793

■ 83, 89.839,
131.531

■ 90, 15.670,
134.282

■ 82, 98.145,
131.594

■ 92, 2.309, 134.789

■ 82, 103.993,

■ 94, 10.916,
315.077

132.089

95, 14.082,
324.909

82, 107.078,
132.768

Harmonies

Complementary

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



86, 55.436, 132.731



66, 57.427, 316.574

Rectangle

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



86, 55.436, 132.731



86, 55.436, 182.731



86, 55.436, 312.731



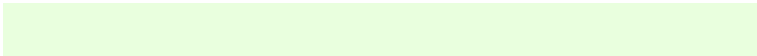
86, 55.436, 2.731

Sweetspot

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



86, 55.438, 132.732



98, 18.706, 134.219



82, 36.649, 85.626



52, 13.098, 134.113



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, 55.438, 132.732



92, 70.931, 132.287



85, 54.638, 145.930



48, 7.629, 134.388



65, 88.575, 132.551



19, 35.441, 132.275

Inverse Universe

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



66, 57.427, 316.574



67, 73.960, 316.899



69, 54.652, 332.033



46, 7.698, 315.157



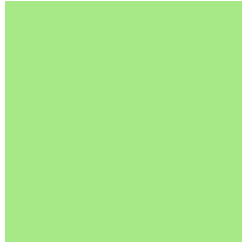
33, 93.116, 316.449



6, 38.409, 317.349

Previews

White Background



This preview shows how the CIELCh color 86, 55.436, 132.731 looks on a white background.

Color Contrast Check

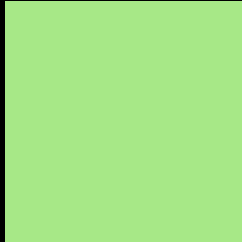
Large Text (above 18pt) WCAG AA × Fail

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, 55.436, 132.731 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, 55.436, 132.731

Background



This preview shows how black text looks on a background with the CIELCh color 86, 55.436, 132.731.



This preview shows how white text looks on a background with the CIELCh color 86, 55.436, 132.731.

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, 55.436, 132.731

Protanopia
86, 44.555, 95.660

Deuteranopia
86, 37.019, 73.764



Tritanopia
86, 14.975, 238.109

Trichromacy



Original Color
86, 55.436, 132.731



Protanomaly
86, 46.169, 111.798



Deuteranomaly
85, 37.359, 101.971

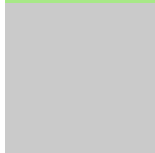


Tritanomaly
86, 21.053, 161.258

Monochromacy



Original Color
86, 55.436, 132.731



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 20.543, 134.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 55.436, 132.731 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(167, 232, 135)` looks like.

```
.text, #text, p{  
    color:rgb(167, 232, 135)  
}
```

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(167, 232, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 232, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 55.436, 132.731 is called "border". The border property can be set on classes, ids or directly on the HTML element.

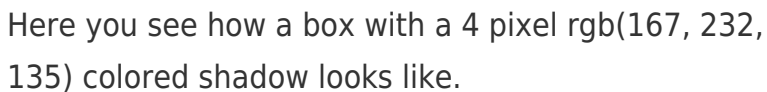
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 232, 135) }
```

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

```
.border{ border-color:rgb(167, 232, 135) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 232, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 232, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 232, 135); box-shadow:4px 4px 4px 4px rgb(167, 232, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 55.436, 132.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 232, 135) }
```

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

```
.background{ background-color: rgb(167,  
232, 135) }
```

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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