

Converting Colors

CIELCh(86, 44.311, 159.186)

Have a look what the booklet for
CIELCh(86, 44.311, 159.186)
contains.

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Color

CIELCh(86, 44.205, 159.427)

Conversions

Conversions Part 1

Format	Color
Hex	84EBB8
RGB	132, 235, 184
RGB Percent	52%, 92%, 72%
CMY	0.4812, 0.0773, 0.2773
CMYK	0.44, 0.00, 0.22, 0.08
HSL	150°, 72%, 72%
HSV	150°, 44%, 92%
XYZ	48.0351, 67.9871, 56.0921
YIQ	198.3890, -45.0170, -37.6970

Conversions

Conversions Part 2

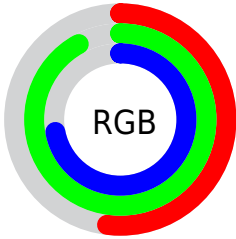
Format	Color
RYB	132, 200, 235
Decimal	8711096
CIELab	86.00, -41.39, 15.53
CIElCh	86, 44.205, 159.427
Yxy	67.9871, 0.2791, 0.3950
Android (android.graphics.Color)	4286901176 (0xFF84EBB8)
YUV	198.3890, -7.0938, -58.2232
Hunter-Lab	82.4543, -40.3068, 17.3842

Details

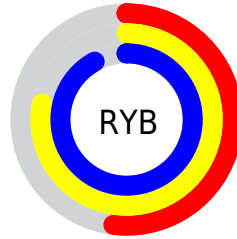
The CIELCh color **86, 44.205, 159.427** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68, 46.565, 348.452**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.496, 178.738**, and **66, 44.365, 159.318** is the 20% darker color. If you saturate the color by 10%, you get **85, 53.268, 158.027**, and if you desaturate by 10%, it is **87, 34.566, 160.662**.

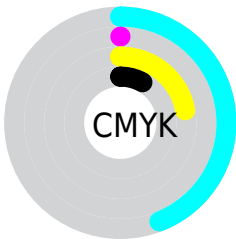
Distribution



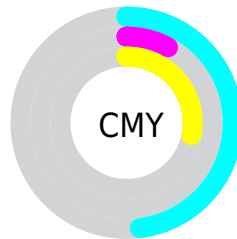
- Red (52%)
- Green (92%)
- Blue (72%)



- Red (52%)
- Yellow (78%)
- Blue (92%)



- Cyan (44%)
- Magenta (0%)
- Yellow (22%)
- Black (8%)



- Cyan (48%)
- Magenta (8%)
- Yellow (28%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 44.205, 159.427 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, 44.205, 159.427 by changing the saturation by 10% instead.

 86, 44.205,
159.427

 86, 44.205,
159.427

 100, 44.205,
159.427

 76, 44.205,
159.427

 66, 44.205,
159.427

 56, 44.205,
159.427

 46, 44.205,
159.427

 36, 44.205,
159.427

 26, 44.205,
159.427

 16, 44.205,


159.427


 6, 44.205, 159.427

 0, 44.205, 159.427

 86, 44.205,
159.427


 86, 44.205,
159.427


 85, 53.268,
158.027


 87, 34.566,
160.662

 84, 61.581,
156.438

 89, 24.527,
161.760

 83, 69.007,
154.641

 91, 14.257,
162.749

 83, 75.470,
152.628

 92, 3.900, 163.712

 82, 80.982,

 94, 6.422, 344.318

150.415

95, 11.962,
325.943

82, 84.044,
148.998

95, 12.294,
324.844

Harmonies

Complementary

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



86, 44.205, 159.427



68, 46.565, 348.452

Rectangle

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



86, 44.205, 159.427



86, 44.205, 209.427



86, 44.205, 339.427



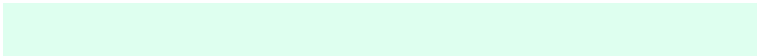
86, 44.205, 29.427

Sweetspot

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



86, 44.206, 159.426



97, 14.360, 162.817



88, 55.832, 127.010



52, 10.046, 162.606



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, 44.206, 159.426



91, 56.103, 158.108



87, 31.385, 197.368



48, 5.864, 163.153



65, 68.472, 149.418



19, 27.101, 153.408

Inverse Universe

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



68, 46.565, 348.452



68, 59.384, 349.873



66, 43.059, 23.991



46, 5.941, 344.658



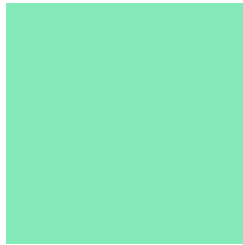
39, 65.493, 2.378



8, 28.564, 355.571

Previews

White Background



This preview shows how the CIELCh color 86, 44.205, 159.427 looks on a white background.

Color Contrast Check

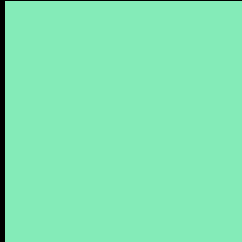
Large Text (above 18pt) WCAG AA × Fail

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, 44.205, 159.427 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, 44.205, 159.427

Background



This preview shows how black text looks on a background with the CIELCh color 86, 44.205, 159.427.

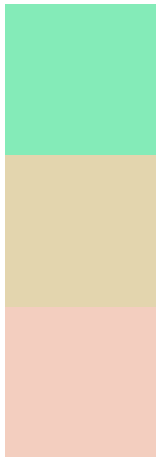


This preview shows how white text looks on a background with the CIELCh color 86, 44.205, 159.427.

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, 44.205, 159.427

Protanopia
85, 21.088, 93.406

Deuteranopia
85, 16.302, 48.880



Tritanopia
86, 25.899, 219.501

Trichromacy



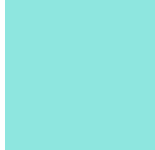
Original Color
86, 44.205, 159.427



Protanomaly
85, 24.831, 133.308



Deuteranomaly
85, 15.584, 128.499

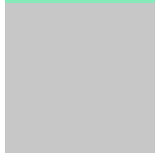


Tritanomaly
86, 28.458, 190.018

Monochromacy



Original Color
86, 44.205, 159.427



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 16.476, 162.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 44.205, 159.427 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(132, 235, 184)` looks like.

```
.text, #text, p{  
    color:rgb(132, 235, 184)  
}
```

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(132, 235, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 235, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 44.205, 159.427 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(132, 235, 184) }
```

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

```
.border{ border-color:rgb(132, 235, 184) }
```

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

Here you see how a box with a 4 pixel rgb(132, 235, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 235, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 235, 184);  
box-shadow:4px 4px 4px 4px rgb(132, 235,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 44.205, 159.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 235, 184) }
```

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

```
.background{ background-color: rgb(132,  
235, 184) }
```

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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