

Converting Colors

CIELCh(87, 36.395, 171.475)

Have a look what the booklet for
CIELCh(87, 36.395, 171.475)
contains.

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Color

CIELCh(87, 36.371, 171.346)

Conversions

Conversions Part 1

Format	Color
Hex	89ECCE
RGB	137, 236, 206
RGB Percent	54%, 93%, 81%
CMY	0.4614, 0.0732, 0.1909
CMYK	0.42, 0.00, 0.13, 0.07
HSL	162°, 73%, 73%
HSV	162°, 42%, 93%
XYZ	51.6460, 70.0064, 69.3930
YIQ	202.9790, -49.3740, -30.3180

Conversions

Conversions Part 2

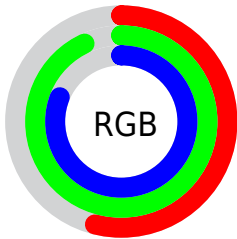
Format	Color
RYB	137, 195, 236
Decimal	9039054
CIELab	87.00, -35.96, 5.47
CIELCh	87, 36.371, 171.346
Yxy	70.0064, 0.2703, 0.3664
Android (android.graphics.Color)	4287229134 (0xFF89ECCE)
YUV	202.9790, 1.4894, -57.8636
Hunter-Lab	83.6698, -36.2414, 9.3957

Details

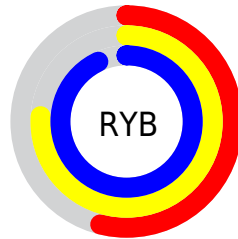
The CIELCh color **87, 36.371, 171.346** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69, 41.216, 0.958**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **67, 36.498, 171.323** is the 20% darker color. If you saturate the color by 10%, you get **86, 43.790, 170.019**, and if you desaturate by 10%, it is **88, 28.304, 172.546**.

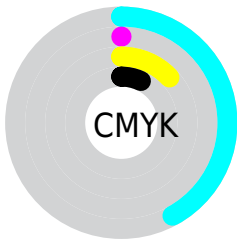
Distribution



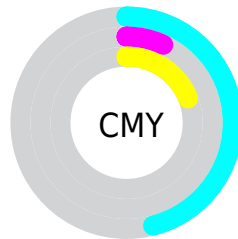
- Red (54%)
- Green (93%)
- Blue (81%)



- Red (54%)
- Yellow (76%)
- Blue (93%)



- Cyan (42%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)





- Cyan (46%)
- Magenta (7%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 36.371, 171.346 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, 36.371, 171.346 by changing the saturation by 10% instead.


 87, 36.371,
171.346


 87, 36.371,
171.346


 100, 36.371,
171.346


 77, 36.371,
171.346

 67, 36.371,
171.346

 57, 36.371,
171.346

 47, 36.371,
171.346

 37, 36.371,
171.346


 27, 36.371,
171.346


 17, 36.371,


171.346

 7, 36.371, 171.346


 0, 36.371, 171.346


 87, 36.371,
171.346


 87, 36.371,
171.346


 86, 43.790,
170.019


 88, 28.304,
172.546

 85, 50.415,
168.544

 90, 19.743,
173.649

 84, 56.137,
166.895

 91, 10.839,
174.680

 84, 60.907,
165.049

 93, 1.730, 175.882

 84, 64.756,

 95, 7.301, 355.785

163.000

95, 9.399, 334.927

83, 67.356,
161.234

95, 11.639,
324.820

Harmonies

Complementary

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



87, 36.371, 171.346



69, 41.216, 0.958

Rectangle

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



87, 36.371, 171.346



87, 36.371, 221.346



87, 36.371, 351.346



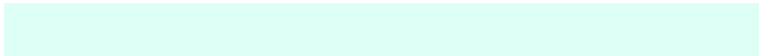
87, 36.371, 41.346

Sweetspot

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



87, 36.372, 171.345



97, 12.591, 174.562



87, 56.603, 133.125



52, 8.792, 174.337



0, 0.000, 0.000



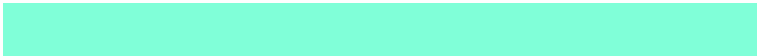
53, 0.007, 296.813

Same Dimension

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



87, 36.372, 171.345



92, 45.112, 170.252



83, 26.127, 219.621



48, 5.157, 174.927



65, 54.809, 161.641



19, 22.188, 165.326

Inverse Universe

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



69, 41.216, 0.958



69, 52.372, 2.563



72, 35.682, 37.985



46, 5.299, 356.587



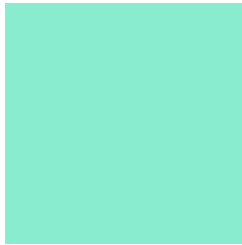
38, 67.672, 20.735



7, 27.799, 9.182

Previews

White Background



This preview shows how the CIE LCh color 87, 36.371, 171.346 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, 36.371, 171.346 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

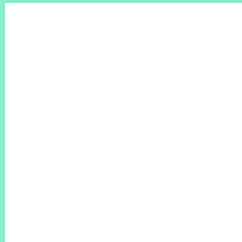
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 36.371, 171.346

Background



This preview shows how black text looks on a background with the CIELCh color 87, 36.371, 171.346.

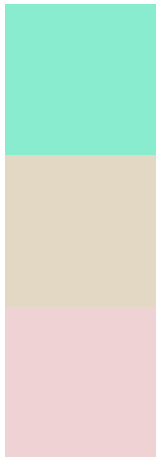


This preview shows how white text looks on a background with the CIELCh color 87, 36.371, 171.346.

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, 36.371, 171.346

Protanopia
87, 11.574, 90.243

Deuteranopia
87, 10.763, 14.617

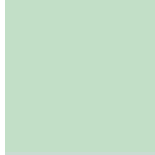


Tritanopia
87, 26.484, 220.171

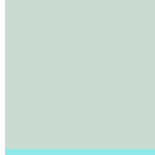
Trichromacy



Original Color
87, 36.371, 171.346



Protanomaly
86, 16.478, 148.747



Deuteranomaly
86, 8.374, 160.174

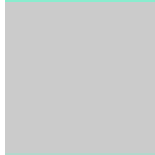


Tritanomaly
87, 27.579, 198.697

Monochromacy



Original Color
87, 36.371, 171.346



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 14.093, 174.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 36.371, 171.346 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(137, 236, 206)` looks like.

```
.text, #text, p{  
    color:rgb(137, 236, 206)  
}
```

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(137, 236, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 236, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 36.371, 171.346 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(137, 236, 206) }
```

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

```
.border{ border-color:rgb(137, 236, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 236, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 236, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 236, 206);  
box-shadow:4px 4px 4px 4px rgb(137, 236,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 36.371, 171.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 236, 206) }
```

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

```
.background{ background-color: rgb(137,  
236, 206) }
```

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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