

Converting Colors

CIELCh(87, 41.227, 154.385)

Have a look what the booklet for
CIELCh(87, 41.227, 154.385)
contains.

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Color

CIELCh(87, 41.085, 154.579)

Conversions

Conversions Part 1

Format	Color
Hex	96ECB7
RGB	150, 236, 183
RGB Percent	59%, 93%, 72%
CMY	0.4111, 0.0739, 0.2818
CMYK	0.36, 0.00, 0.22, 0.07
HSL	143°, 70%, 76%
HSV	143°, 36%, 93%
XYZ	51.2104, 70.0064, 55.6956
YIQ	204.2440, -34.2430, -34.7150

Conversions

Conversions Part 2

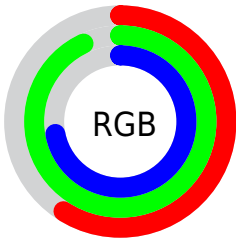
Format	Color
RYB	150, 212, 236
Decimal	9890999
CIELab	87.00, -37.11, 17.64
CIELCh	87, 41.085, 154.579
Yxy	70.0064, 0.2895, 0.3957
Android (android.graphics.Color)	4288081079 (0xFF96ECB7)
YUV	204.2440, -10.4733, -47.5720
Hunter-Lab	83.6698, -37.1706, 19.1019

Details

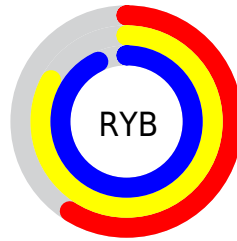
The CIELCh color **87, 41.085, 154.579** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72, 41.991, 340.926**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.486, 171.914**, and **67, 41.275, 154.587** is the 20% darker color. If you saturate the color by 10%, you get **86, 51.773, 153.352**, and if you desaturate by 10%, it is **89, 29.984, 155.651**.

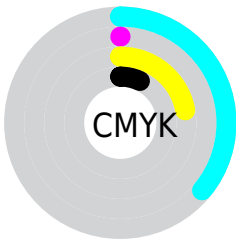
Distribution



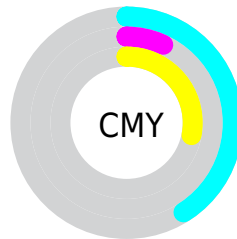
- Red (59%)
- Green (93%)
- Blue (72%)



- Red (59%)
- Yellow (83%)
- Blue (93%)



- Cyan (36%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)





- Cyan (41%)
- Magenta (7%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 41.085, 154.579 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, 41.085, 154.579 by changing the saturation by 10% instead.


 87, 41.085,
154.579


 87, 41.085,
154.579


 100, 41.085,
154.579


 77, 41.085,
154.579

 67, 41.085,
154.579

 57, 41.085,
154.579

 47, 41.085,
154.579

 37, 41.085,
154.579


 27, 41.085,
154.579


 17, 41.085,


154.579


 7, 41.085, 154.579


 0, 41.085, 154.579


 87, 41.085,
154.579

 87, 41.085,
154.579

 86, 51.773,
153.352


 89, 29.984,
155.651

 85, 61.837,
151.948


 90, 18.657,
156.595

 84, 71.078,
150.348

 92, 7.269, 157.454


 83, 79.333,
148.541

 94, 4.046, 338.027

 95, 11.753,
324.824

 83, 86.496,

146.543

 82, 92.556,
144.401

 82, 94.529,
143.653

Harmonies

Complementary

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



87, 41.085, 154.579



72, 41.991, 340.926

Rectangle

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



87, 41.085, 154.579



87, 41.085, 204.579



87, 41.085, 334.579



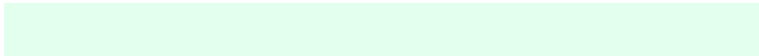
87, 41.085, 24.579

Sweetspot

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



87, 41.086, 154.579



98, 13.287, 157.061



89, 45.569, 123.000



52, 8.931, 156.945



0, 0.000, 0.000



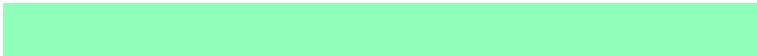
53, 0.007, 296.813

Same Dimension

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



87, 41.086, 154.579



92, 52.386, 153.641



88, 28.363, 186.812



48, 6.409, 157.195



65, 76.784, 144.050



19, 30.258, 147.899

Inverse Universe

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



72, 41.991, 340.926



73, 53.606, 341.733



71, 34.563, 13.970



46, 6.458, 338.547



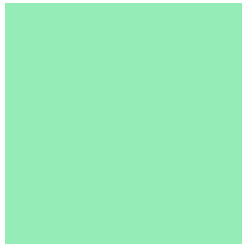
40, 68.107, 351.456



8, 30.061, 346.931

Previews

White Background



This preview shows how the CIE LCh color 87, 41.085, 154.579 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, 41.085, 154.579 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

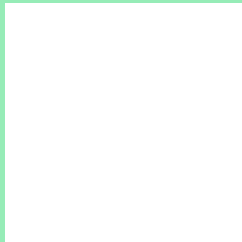
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 41.085, 154.579

Background



This preview shows how black text looks on a background with the CIELCh color 87, 41.085, 154.579.



This preview shows how white text looks on a background with the CIELCh color 87, 41.085, 154.579.

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, 41.085, 154.579

Protanopia
86, 22.543, 94.271

Deuteranopia
87, 18.434, 54.495

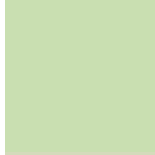


Tritanopia
87, 21.962, 223.809

Trichromacy



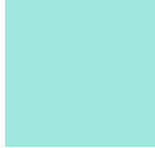
Original Color
87, 41.085, 154.579



Protanomaly
86, 25.344, 127.350



Deuteranomaly
86, 16.890, 117.753

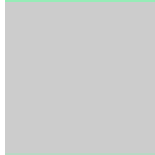


Tritanomaly
87, 24.209, 187.754

Monochromacy



Original Color
87, 41.085, 154.579



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 15.757, 156.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 41.085, 154.579 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(150, 236, 183)` looks like.

```
.text, #text, p{  
    color:rgb(150, 236, 183)  
}
```

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(150, 236, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 236, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 41.085, 154.579 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(150, 236, 183) }
```

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

```
.border{ border-color:rgb(150, 236, 183) }
```

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

Here you see how a box with a 4 pixel rgb(150, 236, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 236, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 236, 183);  
box-shadow:4px 4px 4px 4px rgb(150, 236,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 41.085, 154.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 236, 183) }
```

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

```
.background{ background-color: rgb(150,  
236, 183) }
```

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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