

Converting Colors

CIELCh(87, 33.391, 161.843)

Have a look what the booklet for
CIELCh(87, 33.391, 161.843)
contains.

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Color

CIELCh(87, 33.412, 161.828)

Conversions

Conversions Part 1

Format	Color
Hex	9CEAC5
RGB	156, 234, 197
RGB Percent	61%, 92%, 77%
CMY	0.3879, 0.0820, 0.2271
CMYK	0.33, 0.00, 0.16, 0.08
HSL	152°, 65%, 77%
HSV	152°, 33%, 92%
XYZ	53.2618, 70.0064, 63.5790
YIQ	206.4600, -34.6110, -28.0430

Conversions

Conversions Part 2

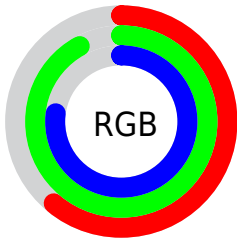
Format	Color
R_{YB}	156, 207, 234
Decimal	10283717
CIE Lab	87.00, -31.75, 10.42
CIE LCh	87, 33.412, 161.828
Yxy	70.0064, 0.2851, 0.3747
Android (android.graphics.Color)	4288473797 (0xFF9CEAC5)
YUV	206.4600, -4.6638, -44.2534
Hunter-Lab	83.6698, -32.7943, 13.5156

Details

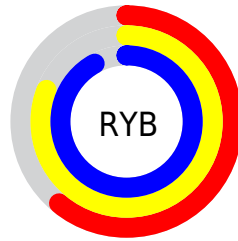
The CIELCh color **87, 33.412, 161.828** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **73, 35.007, 348.344**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.415, 196.499**, and **67, 33.482, 161.525** is the 20% darker color. If you saturate the color by 10%, you get **86, 42.842, 160.592**, and if you desaturate by 10%, it is **88, 23.585, 162.928**.

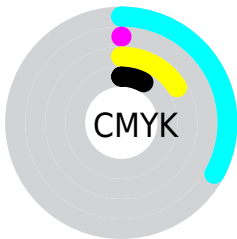
Distribution



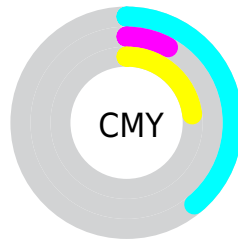
- Red (61%)
- Green (92%)
- Blue (77%)



- Red (61%)
- Yellow (81%)
- Blue (92%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (8%)




- Cyan (39%)
- Magenta (8%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 33.412, 161.828 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, 33.412, 161.828 by changing the saturation by 10% instead.

 87, 33.412,
161.828


 87, 33.412,
161.828


 100, 33.412,
161.828


 77, 33.412,
161.828

 67, 33.412,
161.828

 57, 33.412,
161.828

 47, 33.412,
161.828

 37, 33.412,
161.828


 27, 33.412,
161.828


 17, 33.412,


161.828


 7, 33.412, 161.828


 0, 33.412, 161.828


 87, 33.412,
161.828

 87, 33.412,
161.828

 86, 42.842,
160.592

 88, 23.585,
162.928

 85, 51.698,
159.197


 90, 13.522,
163.924

 84, 59.812,
157.616

 92, 3.366, 164.914

 83, 67.053,
155.828

 94, 6.765, 345.513

 95, 12.067,
328.160

 83, 73.344,

153.824

95, 13.052,
324.871

82, 78.700,
151.616

82, 81.875,
150.090

Harmonies

Complementary

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



87, 33.412, 161.828



73, 35.007, 348.344

Rectangle

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



87, 33.412, 161.828



87, 33.412, 211.828



87, 33.412, 341.828



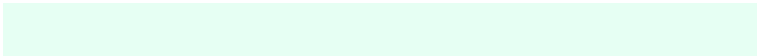
87, 33.412, 31.828

Sweetspot

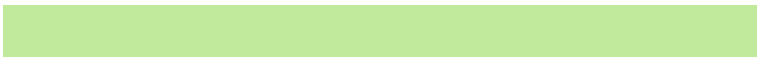
The Sweet Spot groups the original color and five complimentary colors.



87, 33.413, 161.827



98, 10.881, 164.235



88, 42.839, 128.094



52, 7.423, 164.101



0, 0.000, 0.000



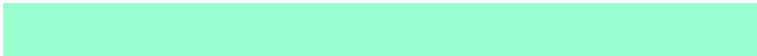
53, 0.007, 296.813

Same Dimension

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



87, 33.413, 161.827



93, 42.609, 160.995



88, 24.535, 199.405



48, 5.777, 164.290



65, 66.983, 150.504



19, 26.553, 154.495

Inverse Universe

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



73, 35.007, 348.344



75, 45.010, 349.226



72, 31.020, 23.554



46, 5.860, 345.820



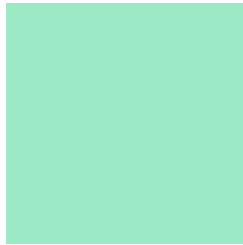
39, 65.340, 4.376



8, 28.385, 357.184

Previews

White Background



This preview shows how the CIELCh color 87, 33.412, 161.828 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, 33.412, 161.828 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

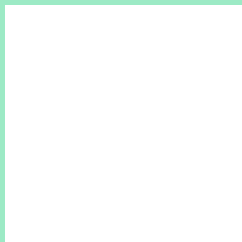
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 33.412, 161.828

Background



This preview shows how black text looks on a background with the CIELCh color 87, 33.412, 161.828.

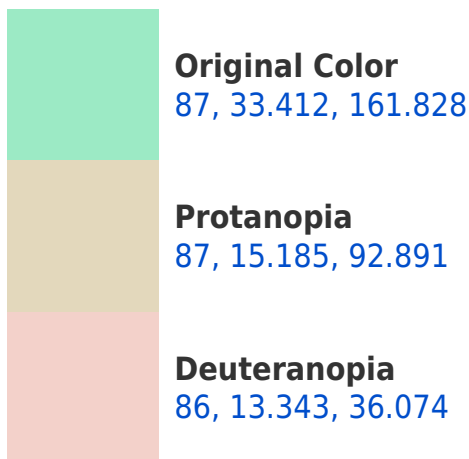


This preview shows how white text looks on a background with the CIELCh color 87, 33.412, 161.828.

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





Tritanopia
87, 21.140, 226.576

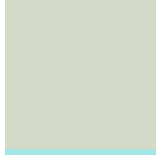
Trichromacy



Original Color
87, 33.412, 161.828



Protanomaly
86, 18.620, 134.715



Deuteranomaly
86, 9.769, 124.695

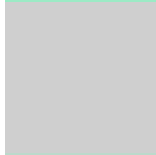


Tritanomaly
87, 22.042, 195.197

Monochromacy



Original Color
87, 33.412, 161.828



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 12.832, 163.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 33.412, 161.828 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(156, 234, 197)` looks like.

```
.text, #text, p{  
    color:rgb(156, 234, 197)  
}
```

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(156, 234, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 234, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 33.412, 161.828 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(156, 234, 197) }
```

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

```
.border{ border-color:rgb(156, 234, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 234, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 234, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 234, 197);  
box-shadow:4px 4px 4px 4px rgb(156, 234,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 33.412, 161.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 234, 197) }
```

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

```
.background{ background-color: rgb(156,  
234, 197) }
```

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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