

Converting Colors

CIELCh(87, 33.582, 175.603)

Have a look what the booklet for
CIELCh(87, 33.582, 175.603)
contains.

CIELCh(87, 33.240, 175.864)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 33.240, 175.864)

Conversions

Conversions Part 1

Format	Color
Hex	8DEBD4
RGB	141, 235, 212
RGB Percent	55%, 92%, 83%
CMY	0.4461, 0.0775, 0.1677
CMYK	0.40, 0.00, 0.10, 0.08
HSL	165°, 70%, 74%
HSV	165°, 40%, 92%
XYZ	52.7179, 70.0064, 73.1794
YIQ	204.2720, -48.6410, -27.0810

Conversions

Conversions Part 2

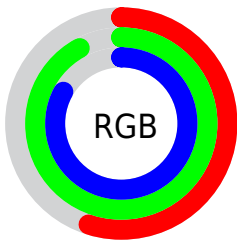
Format	Color
RYB	141, 195, 235
Decimal	9300948
CIELab	87.00, -33.15, 2.40
CIELCh	87, 33.240, 175.864
Yxy	70.0064, 0.2691, 0.3574
Android (android.graphics.Color)	4287491028 (0xFF8DEBD4)
YUV	204.2720, 3.8099, -55.4895
Hunter-Lab	83.6698, -33.9546, 6.7126

Details

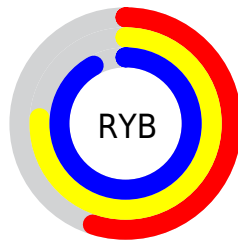
The CIELCh color $87, 33.240, 175.864$ is a light color, and the websafe version is hex $99FFFF$. A complement of this color would be $69, 38.539, 4.890$, and the grayscale version is $82, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 18.709, 198.269$, and $67, 33.412, 175.264$ is the 20% darker color. If you saturate the color by 10%, you get $86, 40.273, 174.632$, and if you desaturate by 10%, it is $88, 25.546, 176.992$.

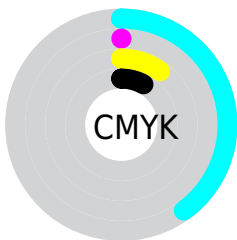
Distribution



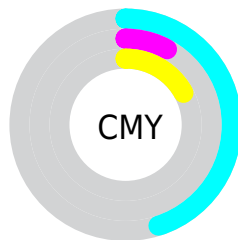
- Red (55%)
- Green (92%)
- Blue (83%)



- Red (55%)
- Yellow (76%)
- Blue (92%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)




- Cyan (45%)
- Magenta (8%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 33.240, 175.864 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, 33.240, 175.864 by changing the saturation by 10% instead.


 87, 33.240,
175.864

 87, 33.240,
175.864

 100, 33.240,
175.864

 77, 33.240,
175.864

 67, 33.240,
175.864

 57, 33.240,
175.864

 47, 33.240,
175.864

 37, 33.240,
175.864


 27, 33.240,
175.864

 17, 33.240,


175.864


 7, 33.240, 175.864


 0, 33.240, 175.864


 87, 33.240,
175.864


 87, 33.240,
175.864

 86, 40.273,
174.632


 88, 25.546,
176.992

 85, 46.502,
173.279

 90, 17.338,
178.044

 84, 51.820,
171.776

 91, 8.765, 179.049

 84, 56.173,
170.100


 93, 0.042, 346.436


 95, 7.663, 357.130


 84, 59.582,


168.236

 95, 9.196, 339.925

 83, 62.233,
166.219

 95, 11.316,
328.447

 83, 62.243,
166.211

 95, 12.326,
324.845

Harmonies

Complementary

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



87, 33.240, 175.864



69, 38.539, 4.890

Rectangle

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



87, 33.240, 175.864



87, 33.240, 225.864



87, 33.240, 355.864



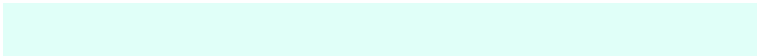
87, 33.240, 45.864

Sweetspot

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



87, 33.241, 175.862



98, 11.248, 178.839



87, 54.973, 135.184



52, 7.449, 178.708



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, 33.241, 175.862



93, 41.556, 174.856



81, 24.585, 228.882



48, 4.991, 179.099



66, 50.888, 166.583



19, 20.816, 169.975

Inverse Universe

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



69, 38.539, 4.890



70, 49.748, 6.492



74, 32.421, 44.275



46, 5.157, 0.744



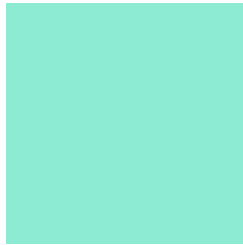
38, 69.820, 25.818



7, 27.837, 12.346

Previews

White Background



This preview shows how the CIE LCh color 87, 33.240, 175.864 looks on a white background.

Color Contrast Check

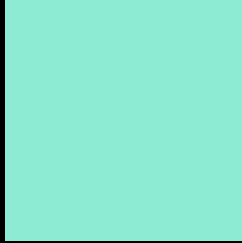
Large Text (above 18pt) WCAG AA × Fail

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, 33.240, 175.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

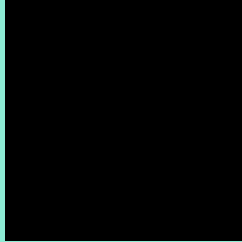
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

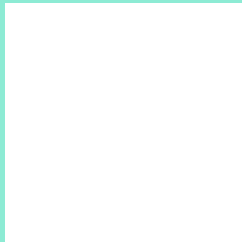
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 33.240, 175.864

Background



This preview shows how black text looks on a background with the CIELCh color 87, 33.240, 175.864.

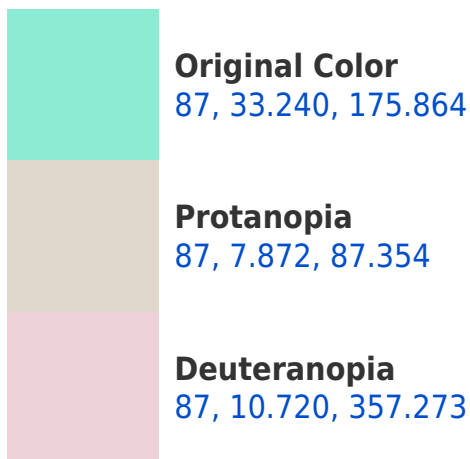


This preview shows how white text looks on a background with the CIELCh color 87, 33.240, 175.864.

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



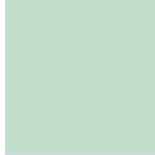


Tritanopia
87, 25.893, 219.460

Trichromacy



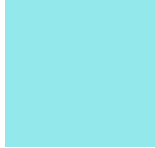
Original Color
87, 33.240, 175.864



Protanomaly
86, 13.783, 158.278



Deuteranomaly
86, 6.258, 184.475

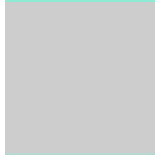


Tritanomaly
87, 26.677, 201.077

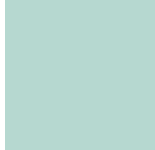
Monochromacy



Original Color
87, 33.240, 175.864



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 12.771, 179.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 33.240, 175.864 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(141, 235, 212)` looks like.

```
.text, #text, p{  
    color:rgb(141, 235, 212)  
}
```

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(141, 235, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 235, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 33.240, 175.864 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(141, 235, 212) }
```

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

```
.border{ border-color:rgb(141, 235, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 235, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 235, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 235, 212);  
box-shadow:4px 4px 4px 4px rgb(141, 235,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 33.240, 175.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 235, 212) }
```

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

```
.background{ background-color: rgb(141,  
235, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor