

Converting Colors

CIELCh(85, 37.369, 171.299)

Have a look what the booklet for
CIELCh(85, 37.369, 171.299)
contains.

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Color

CIELCh(85, 37.443, 171.009)

Conversions

Conversions Part 1

Format	Color
Hex	81E7C8
RGB	129, 231, 200
RGB Percent	51%, 91%, 78%
CMY	0.4940, 0.0940, 0.2156
CMYK	0.44, 0.00, 0.13, 0.09
HSL	162°, 68%, 71%
HSV	162°, 44%, 91%
XYZ	48.0686, 66.0070, 64.8660
YIQ	196.9680, -50.8410, -31.2650

Conversions

Conversions Part 2

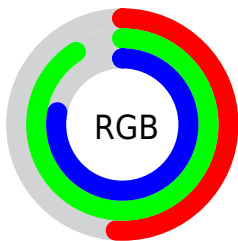
Format	Color
RYB	129, 189, 231
Decimal	8513480
CIELab	85.00, -36.98, 5.85
CIELCh	85, 37.443, 171.009
Yxy	66.0070, 0.2686, 0.3689
Android (android.graphics.Color)	4286703560 (0xFF81E7C8)
YUV	196.9680, 1.4948, -59.6079
Hunter-Lab	81.2447, -36.5683, 9.5340

Details

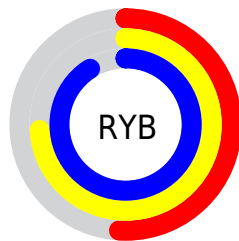
The CIELCh color **85, 37.443, 171.009** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66, 42.694, 1.298**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **65, 37.603, 170.881** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.573, 169.652**, and if you desaturate by 10%, it is **86, 29.645, 172.234**.

Distribution



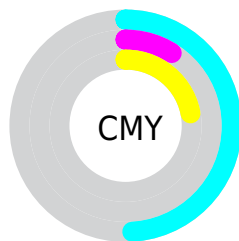
- Red (51%)
- Green (91%)
- Blue (78%)



- Red (51%)
- Yellow (74%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)





- Cyan (49%)
- Magenta (9%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 37.443, 171.009 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 85, 37.443, 171.009 by changing the saturation by 10% instead.


 85, 37.443,
171.009


 85, 37.443,
171.009


 100, 37.443,
171.009


 75, 37.443,
171.009

 65, 37.443,
171.009

 55, 37.443,
171.009

 45, 37.443,
171.009

 35, 37.443,
171.009

 25, 37.443,
171.009

 15, 37.443,

171.009

■ 5, 37.443, 171.009

■ 0, 37.443, 171.009

■ 85, 37.443,
171.009

■ 85, 37.443,
171.009

■ 84, 44.573,
169.652

■ 86, 29.645,
172.234

■ 83, 50.899,
168.142

■ 88, 21.329,
173.355

■ 83, 56.323,
166.453

■ 89, 12.645,
174.397

■ 82, 60.813,
164.564

■ 91, 3.733, 175.450

■ 82, 64.419,

■ 93, 5.291, 356.099

162.474

94, 10.306,
346.390

82, 66.245,
161.202

94, 12.641,
332.650

94, 14.973,
324.941

Harmonies

Complementary

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



85, 37.443, 171.009



66, 42.694, 1.298

Rectangle

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



85, 37.443, 171.009



85, 37.443, 221.009



85, 37.443, 351.009



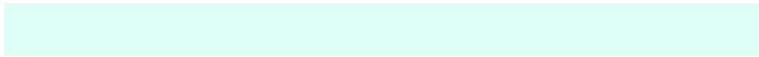
85, 37.443, 41.009

Sweetspot

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



85, 37.444, 171.008



97, 12.597, 174.507



85, 58.453, 133.005



52, 8.797, 174.282



0, 0.000, 0.000



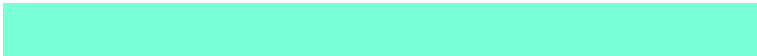
53, 0.007, 296.813

Same Dimension

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



85, 37.444, 171.008



92, 47.397, 169.775



81, 26.748, 219.837



47, 5.067, 174.874



65, 54.268, 161.602



18, 21.461, 165.501

Inverse Universe

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



66, 42.694, 1.298



67, 55.444, 3.160



69, 37.254, 38.096



45, 5.206, 356.529



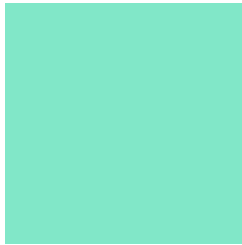
37, 66.916, 20.597



7, 26.662, 8.280

Previews

White Background



This preview shows how the CIE LCh color 85, 37.443, 171.009 looks on a white background.

Color Contrast Check

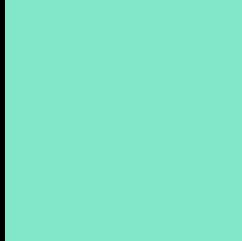
Large Text (above 18pt) WCAG AA × Fail

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 85, 37.443, 171.009 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

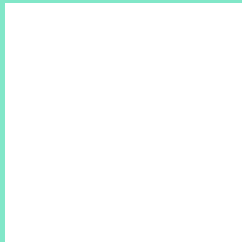
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 37.443, 171.009

Background



This preview shows how black text looks on a background with the CIELCh color 85, 37.443, 171.009.

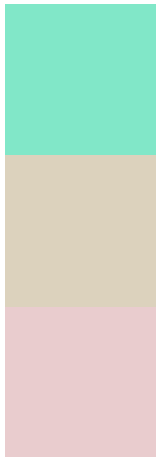


This preview shows how white text looks on a background with the CIELCh color 85, 37.443, 171.009.

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
85, 37.443, 171.009

Protanopia
84, 11.637, 90.198

Deuteranopia
84, 10.826, 14.646



Tritanopia
85, 26.844, 218.681

Trichromacy



Original Color
85, 37.443, 171.009



Protanomaly
84, 17.431, 149.366



Deuteranomaly
84, 8.699, 161.584

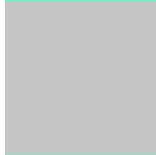


Tritanomaly
85, 28.181, 197.523

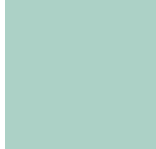
Monochromacy



Original Color
85, 37.443, 171.009



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 14.471, 174.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 37.443, 171.009 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(129, 231, 200)` looks like.

```
.text, #text, p{  
    color:rgb(129, 231, 200)  
}
```

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(129, 231, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 231, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 37.443, 171.009 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(129, 231, 200) }
```

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

```
.border{ border-color:rgb(129, 231, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 231, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 231, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 231, 200); box-shadow:4px 4px 4px 4px rgb(129, 231, 200) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 37.443, 171.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 231, 200) }
```

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

```
.background{ background-color: rgb(129,  
231, 200) }
```

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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