

Converting Colors

CIELCh(84, 37.662, 163.110)

Have a look what the booklet for
CIELCh(84, 37.662, 163.110)
contains.

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Color

CIELCh(84, 37.429, 163.574)

Conversions

Conversions Part 1

Format	Color
Hex	88E3BC
RGB	136, 227, 188
RGB Percent	53%, 89%, 74%
CMY	0.4652, 0.1083, 0.2613
CMYK	0.40, 0.00, 0.17, 0.11
HSL	154°, 62%, 71%
HSV	154°, 40%, 89%
XYZ	46.9093, 64.0658, 57.6826
YIQ	195.3450, -41.7170, -31.4210

Conversions

Conversions Part 2

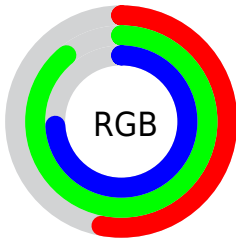
Format	Color
RYB	136, 194, 227
Decimal	8971196
CIELab	84.00, -35.90, 10.58
CIELCh	84, 37.429, 163.574
Yxy	64.0658, 0.2781, 0.3799
Android (android.graphics.Color)	4287161276 (0xFF88E3BC)
YUV	195.3450, -3.6211, -52.0456
Hunter-Lab	80.0411, -35.4593, 13.3007

Details

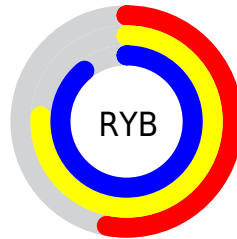
The CIELCh color $84, 37.429, 163.574$ is a light color, and the websafe version is hex $99FFCC$. A complement of this color would be $67, 40.096, 352.054$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 21.532, 182.809$, and $64, 37.180, 163.699$ is the 20% darker color. If you saturate the color by 10%, you get $83, 45.867, 162.231$, and if you desaturate by 10%, it is $85, 28.471, 164.770$.

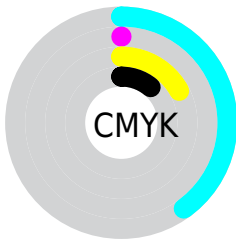
Distribution



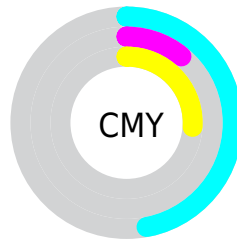
- Red (53%)
- Green (89%)
- Blue (74%)



- Red (53%)
- Yellow (76%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 37.429, 163.574 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 84, 37.429, 163.574 by changing the saturation by 10% instead.

 84, 37.429,
163.574

 84, 37.429,
163.574


 100, 37.429,
163.574


 74, 37.429,
163.574

 64, 37.429,
163.574

 54, 37.429,
163.574

 44, 37.429,
163.574

 34, 37.429,
163.574


 24, 37.429,
163.574


 14, 37.429,


163.574


 4, 37.429, 163.574


 0, 37.429, 163.574


 84, 37.429,
163.574


 84, 37.429,
163.574

 83, 45.867,
162.231


 85, 28.471,
164.770

 82, 53.623,
160.719

 87, 19.152,
165.849

 81, 60.562,
159.012

 89, 9.623, 166.842

 81, 66.600,
157.092

 90, 0.018, 195.533

 92, 9.566, 348.440

 80, 71.728,

154.960

93, 14.045,
334.781

80, 76.095,
152.690

93, 17.257,
325.023

Harmonies

Complementary

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



84, 37.429, 163.574



67, 40.096, 352.054

Rectangle

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



84, 37.429, 163.574



84, 37.429, 213.574



84, 37.429, 343.574



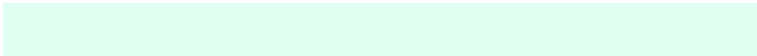
84, 37.429, 33.574

Sweetspot

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



84, 37.430, 163.573



98, 12.638, 166.642



85, 50.735, 129.500



52, 8.380, 166.514



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 37.430, 163.573



92, 48.483, 162.473



83, 26.576, 204.636



47, 5.494, 166.897



64, 63.008, 153.089



18, 24.480, 157.289

Inverse Universe

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



67, 40.096, 352.054



70, 52.527, 353.348



68, 35.729, 28.100



45, 5.589, 348.474



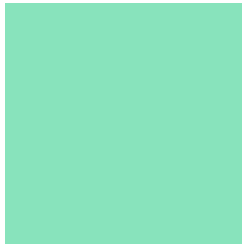
38, 64.649, 8.740



7, 27.057, 0.278

Previews

White Background



This preview shows how the CIELCh color 84, 37.429, 163.574 looks on a white background.

Color Contrast Check

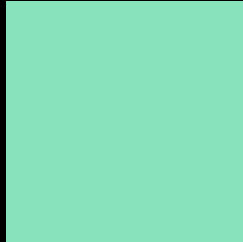
Large Text (above 18pt) WCAG AA × Fail

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 84, 37.429, 163.574 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

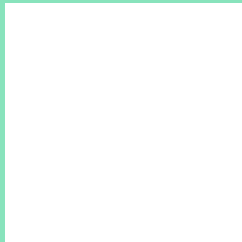
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 37.429, 163.574

Background



This preview shows how black text looks on a background with the CIELCh color 84, 37.429, 163.574.

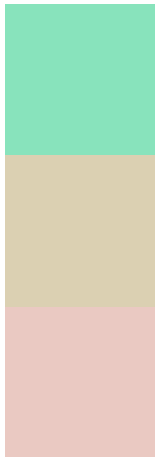


This preview shows how white text looks on a background with the CIELCh color 84, 37.429, 163.574.

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
84, 37.429, 163.574

Protanopia
84, 16.309, 93.697

Deuteranopia
84, 13.084, 36.520

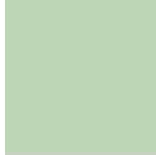


Tritanopia
84, 23.987, 221.547

Trichromacy



Original Color
84, 37.429, 163.574



Protanomaly
83, 19.927, 137.728



Deuteranomaly
83, 10.977, 133.165

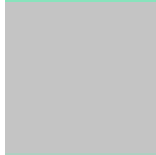


Tritanomaly
84, 25.579, 194.083

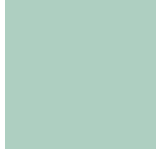
Monochromacy



Original Color
84, 37.429, 163.574



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 14.113, 166.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 37.429, 163.574 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(136, 227, 188)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 188)  
}
```

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(136, 227, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 37.429, 163.574 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(136, 227, 188) }
```

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

```
.border{ border-color:rgb(136, 227, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 227, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 227, 188); box-shadow:4px 4px 4px 4px rgb(136, 227, 188) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 37.429, 163.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 188) }
```

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

```
.background{ background-color: rgb(136,  
227, 188) }
```

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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