

Converting Colors

CIELCh(84, 38.402, 168.890)

Have a look what the booklet for
CIELCh(84, 38.402, 168.890)
contains.

CIELCh(84, 38.388, 168.914)	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(84, 38.388, 168.914)

Conversions

Conversions Part 1

Format	Color
Hex	7EE4C2
RGB	126, 228, 194
RGB Percent	49%, 89%, 76%
CMY	0.5044, 0.1044, 0.2378
CMYK	0.45, 0.00, 0.15, 0.10
HSL	160°, 66%, 70%
HSV	160°, 45%, 90%
XYZ	46.2816, 64.0658, 61.1756
YIQ	193.6260, -49.8780, -32.1980

Conversions

Conversions Part 2

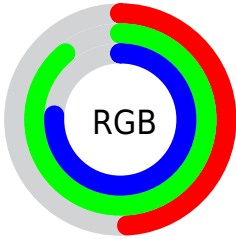
Format	Color
RYB	126, 187, 228
Decimal	8316098
CIELab	84.00, -37.67, 7.38
CIELCh	84, 38.388, 168.914
Yxy	64.0658, 0.2698, 0.3735
Android (android.graphics.Color)	4286506178 (0xFF7EE4C2)
YUV	193.6260, 0.1844, -59.3080
Hunter-Lab	80.0411, -36.8591, 10.7133

Details

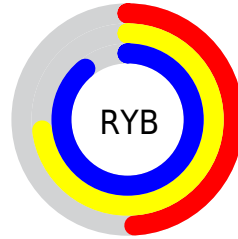
The CIELCh color **84, 38.388, 168.914** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65, 43.172, 359.266**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.577, 191.655**, and **64, 38.584, 168.628** is the 20% darker color. If you saturate the color by 10%, you get **83, 45.680, 167.527**, and if you desaturate by 10%, it is **85, 30.448, 170.161**.

Distribution



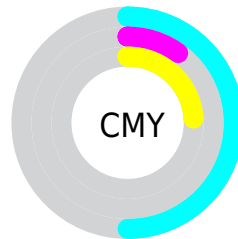
- Red (49%)
- Green (89%)
- Blue (76%)



- Red (49%)
- Yellow (73%)
- Blue (89%)



- Cyan (45%)
- Magenta (0%)
- Yellow (15%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 38.388, 168.914 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, 38.388, 168.914 by changing the saturation by 10% instead.

 84, 38.388,
168.914

 84, 38.388,
168.914

 100, 38.388,
168.914

 74, 38.388,
168.914

 64, 38.388,
168.914

 54, 38.388,
168.914

 44, 38.388,
168.914

 34, 38.388,
168.914

 24, 38.388,
168.914

 14, 38.388,

168.914

■ 4, 38.388, 168.914

■ 0, 38.388, 168.914

■ 84, 38.388,
168.914

■ 84, 38.388,
168.914

■ 83, 45.680,
167.527

■ 85, 30.448,
170.161

■ 82, 52.184,
165.977

■ 87, 22.008,
171.296

■ 82, 57.803,
164.239

■ 88, 13.223,
172.344

■ 81, 62.503,
162.295

■ 90, 4.228, 173.380

■ 81, 66.333,

■ 92, 4.857, 354.040

160.147

93, 11.277,
347.988

81, 68.140,
158.966

93, 13.729,
333.983

94, 16.641,
325.001

Harmonies

Complementary

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



84, 38.388, 168.914



65, 43.172, 359.266

Rectangle

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



84, 38.388, 168.914



84, 38.388, 218.914



84, 38.388, 348.914



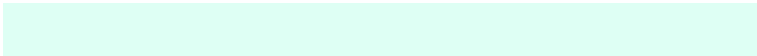
84, 38.388, 38.914

Sweetspot

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



84, 38.389, 168.913



97, 12.833, 172.505



84, 57.975, 131.967



52, 8.964, 172.279



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, 38.389, 168.913



92, 49.397, 167.576



81, 27.221, 215.257



47, 5.159, 172.870



64, 56.298, 159.359



18, 22.154, 163.367

Inverse Universe

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



65, 43.172, 359.266



67, 56.814, 1.199



68, 38.244, 35.246



45, 5.286, 354.518



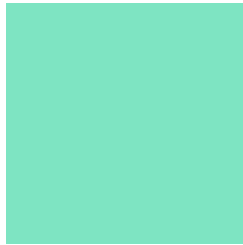
38, 66.086, 17.876



7, 26.705, 6.564

Previews

White Background



This preview shows how the CIE LCh color 84, 38.388, 168.914 looks on a white background.

Color Contrast Check

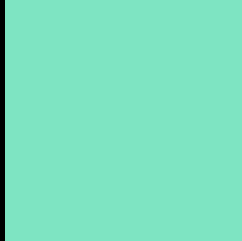
Large Text (above 18pt) WCAG AA × Fail

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, 38.388, 168.914 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

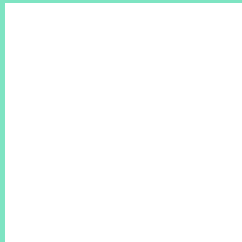
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 38.388, 168.914

Background



This preview shows how black text looks on a background with the CIELCh color 84, 38.388, 168.914.

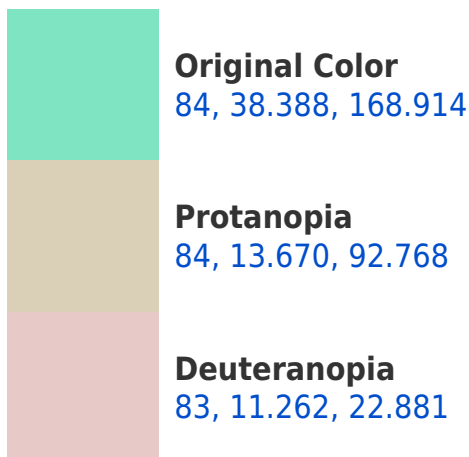



This preview shows how white text looks on a background with the CIELCh color 84, 38.388, 168.914.

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
84, 26.844, 218.726

Trichromacy



Original Color
84, 38.388, 168.914



Protanomaly
83, 18.508, 145.427



Deuteranomaly
83, 9.546, 152.855

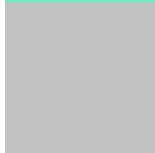


Tritanomaly
84, 28.276, 196.414

Monochromacy



Original Color
84, 38.388, 168.914



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 15.322, 171.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 38.388, 168.914 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(126, 228, 194)` looks like.

```
.text, #text, p{  
    color:rgb(126, 228, 194)  
}
```

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(126, 228, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 228, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 38.388, 168.914 is called "border". The border property can be set on classes, ids or directly on the HTML element.

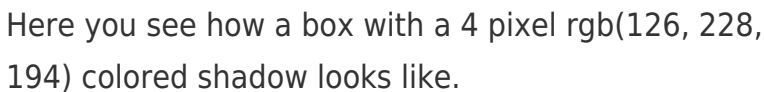
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 228, 194) }
```

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

```
.border{ border-color:rgb(126, 228, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 228, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 228, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 228, 194); box-shadow:4px 4px 4px 4px rgb(126, 228, 194) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 38.388, 168.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 228, 194) }
```

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

```
.background{ background-color: rgb(126,  
228, 194) }
```

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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