

Converting Colors

CIELCh(84, 36.231, 159.321)

Have a look what the booklet for
CIELCh(84, 36.231, 159.321)
contains.

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Color

CIELCh(84, 36.091, 159.237)

Conversions

Conversions Part 1

Format	Color
Hex	91E2B8
RGB	145, 226, 184
RGB Percent	57%, 89%, 72%
CMY	0.4303, 0.1126, 0.2773
CMYK	0.36, 0.00, 0.19, 0.11
HSL	149°, 59%, 73%
HSV	149°, 36%, 89%
XYZ	47.6807, 64.0658, 55.3512
YIQ	196.9930, -34.7940, -30.2340

Conversions

Conversions Part 2

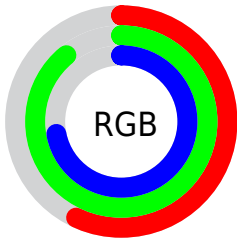
Format	Color
RYB	145, 200, 226
Decimal	9560760
CIELab	84.00, -33.75, 12.79
CIELCh	84, 36.091, 159.237
Yxy	64.0658, 0.2853, 0.3834
Android (android.graphics.Color)	4287750840 (0xFF91E2B8)
YUV	196.9930, -6.4055, -45.5979
Hunter-Lab	80.0411, -33.7389, 15.0276

Details

The CIELCh color **84, 36.091, 159.237** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 37.536, 346.059**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.998, 175.501**, and **64, 35.875, 159.283** is the 20% darker color. If you saturate the color by 10%, you get **83, 45.550, 157.982**, and if you desaturate by 10%, it is **85, 26.224, 160.346**.

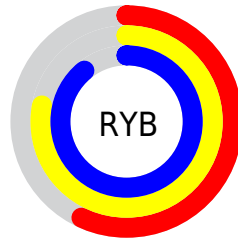
Distribution



Red (57%)

Green (89%)

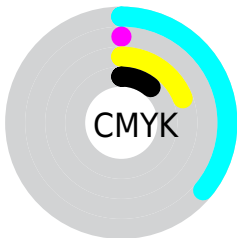
Blue (72%)



Red (57%)

Yellow (78%)

Blue (89%)

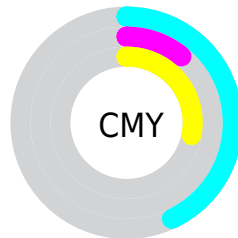


Cyan (36%)

Magenta (0%)

Yellow (19%)

Black (11%)



Cyan (43%)


Magenta (11%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 36.091, 159.237 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, 36.091, 159.237 by changing the saturation by 10% instead.

 84, 36.091,
159.237

 84, 36.091,
159.237


 100, 36.091,
159.237


 74, 36.091,
159.237

 64, 36.091,
159.237

 54, 36.091,
159.237

 44, 36.091,
159.237

 34, 36.091,
159.237

 24, 36.091,
159.237

 14, 36.091,

159.237

■ 4, 36.091, 159.237

■ 0, 36.091, 159.237

■ 84, 36.091,
159.237

■ 84, 36.091,
159.237

■ 83, 45.550,
157.982

■ 85, 26.224,
160.346

■ 82, 54.421,
156.557

■ 87, 16.113,
161.339

■ 81, 62.539,
154.938

■ 89, 5.907, 162.265

■ 80, 69.773,
153.109

■ 91, 4.274, 342.882

■ 93, 13.378,
340.407

■ 80, 76.058,

151.067

93, 17.822,
325.335

80, 81.416,
148.838

93, 17.952,
325.047

79, 83.484,
147.903

Harmonies

Complementary

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



84, 36.091, 159.237



70, 37.536, 346.059

Rectangle

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



84, 36.091, 159.237



84, 36.091, 209.237



84, 36.091, 339.237



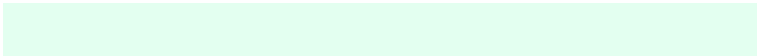
84, 36.091, 29.237

Sweetspot

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



84, 36.092, 159.236



98, 12.360, 161.778



86, 44.146, 126.180



52, 8.305, 161.652



0, 0.000, 0.000



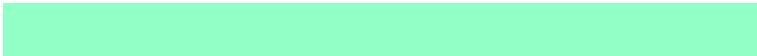
53, 0.007, 296.813

Same Dimension

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



84, 36.092, 159.236



92, 47.303, 158.312



85, 26.075, 194.497



46, 5.750, 161.927



63, 68.578, 148.316



17, 25.754, 152.791

Inverse Universe

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



70, 37.536, 346.059



73, 49.477, 346.986



69, 32.989, 20.198



44, 5.818, 343.395



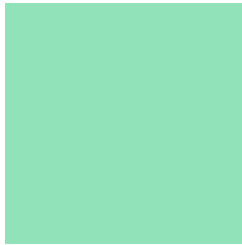
38, 64.407, 0.082



6, 26.628, 353.341

Previews

White Background



This preview shows how the CIE LCh color 84, 36.091, 159.237 looks on a white background.

Color Contrast Check

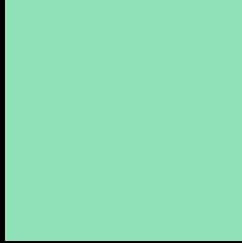
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 84, 36.091, 159.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

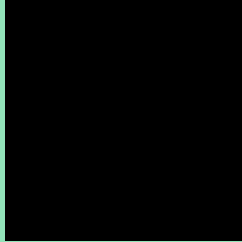
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 36.091, 159.237

Background



This preview shows how black text looks on a background with the CIELCh color 84, 36.091, 159.237.

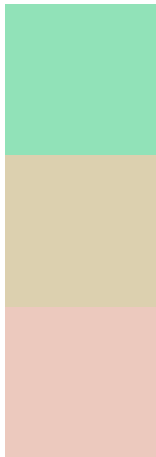


This preview shows how white text looks on a background with the CIELCh color 84, 36.091, 159.237.

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, 36.091, 159.237

Protanopia
84, 17.934, 93.596

Deuteranopia
84, 14.645, 43.412

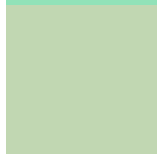


Tritanopia
84, 21.513, 224.599

Trichromacy



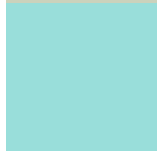
Original Color
84, 36.091, 159.237



Protanomaly
84, 21.138, 131.558



Deuteranomaly
83, 11.877, 121.909



Tritanomaly
84, 22.892, 192.508

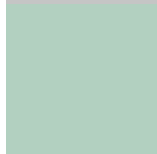
Monochromacy



Original Color
84, 36.091, 159.237



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 13.889, 160.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 36.091, 159.237 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(145, 226, 184)` looks like.

```
.text, #text, p{  
    color:rgb(145, 226, 184)  
}
```

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(145, 226, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 226, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 36.091, 159.237 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(145, 226, 184) }
```

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

```
.border{ border-color:rgb(145, 226, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 226, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 226, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 226, 184);  
box-shadow:4px 4px 4px 4px rgb(145, 226,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 36.091, 159.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 226, 184) }
```

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

```
.background{ background-color: rgb(145,  
226, 184) }
```

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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