

Converting Colors

CIELCh(84, 35.551, 149.609)

Have a look what the booklet for
CIELCh(84, 35.551, 149.609)
contains.

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Color

CIELCh(84, 35.628, 149.772)

Conversions

Conversions Part 1

Format	Color
Hex	9FE1AF
RGB	159, 225, 175
RGB Percent	62%, 88%, 69%
CMY	0.3779, 0.1191, 0.3151
CMYK	0.29, 0.00, 0.22, 0.12
HSL	135°, 52%, 75%
HSV	135°, 29%, 88%
XYZ	48.7557, 64.0658, 50.1722
YIQ	199.5660, -23.2860, -29.5420

Conversions

Conversions Part 2

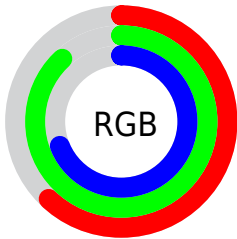
Format	Color
RYB	159, 212, 225
Decimal	10477999
CIELab	84.00, -30.78, 17.94
CIELCh	84, 35.628, 149.772
Yxy	64.0658, 0.2991, 0.3931
Android (android.graphics.Color)	4288668079 (0xFF9FE1AF)
YUV	199.5660, -12.1110, -35.5764
Hunter-Lab	80.0411, -31.3417, 18.8640

Details

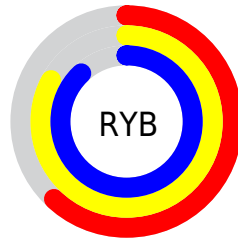
The CIELCh color $84, 35.628, 149.772$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $73, 35.865, 334.044$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 18.735, 157.392$, and $64, 35.668, 149.807$ is the 20% darker color. If you saturate the color by 10%, you get $83, 47.491, 148.734$, and if you desaturate by 10%, it is $86, 23.514, 150.671$.

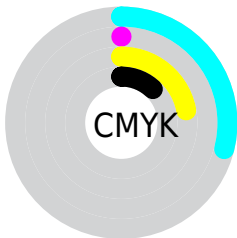
Distribution



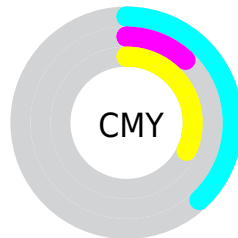
- Red (62%)
- Green (88%)
- Blue (69%)



- Red (62%)
- Yellow (83%)
- Blue (88%)



- Cyan (29%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)





- Cyan (38%)
- Magenta (12%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 35.628, 149.772 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, 35.628, 149.772 by changing the saturation by 10% instead.


 84, 35.628,
149.772

 84, 35.628,
149.772


 100, 35.628,
149.772


 74, 35.628,
149.772

 64, 35.628,
149.772

 54, 35.628,
149.772

 44, 35.628,
149.772

 34, 35.628,
149.772


 24, 35.628,
149.772


 14, 35.628,


149.772


 4, 35.628, 149.772


 0, 35.628, 149.772


 84, 35.628,
149.772


 84, 35.628,
149.772

 83, 47.491,
148.734


 86, 23.514,
150.671


 81, 58.873,
147.537

 87, 11.334,
151.460


 80, 69.524,
146.167

 90, 0.758, 331.637

 80, 79.193,
144.625

 92, 12.651,
332.656

 79, 87.646,

 93, 18.994,
325.084

142.933

■ 79, 94.693,
141.149

■ 78, 100.258,
139.408

■ 78, 100.566,
139.311

Harmonies

Complementary

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



84, 35.628, 149.772



73, 35.865, 334.044

Rectangle

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



84, 35.628, 149.772



84, 35.628, 199.772



84, 35.628, 329.772



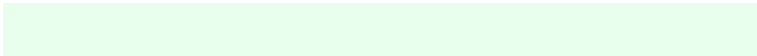
84, 35.628, 19.772

Sweetspot

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



84, 35.630, 149.772



98, 12.056, 151.483



87, 34.520, 117.366



52, 8.385, 151.373



0, 0.000, 0.000



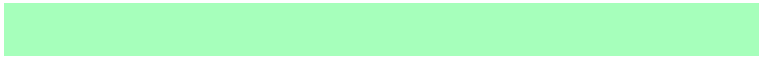
53, 0.007, 296.813

Same Dimension

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



84, 35.630, 149.772



93, 46.925, 149.181



85, 24.513, 175.442



46, 6.859, 151.455



63, 83.192, 139.616



16, 31.068, 144.036

Inverse Universe

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



73, 35.865, 334.044



79, 47.229, 334.479



72, 27.045, 1.588



44, 6.885, 332.641



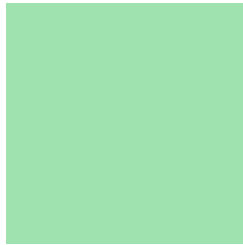
39, 72.686, 340.804



7, 30.498, 338.301

Previews

White Background



This preview shows how the CIELCh color 84, 35.628, 149.772 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, 35.628, 149.772 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

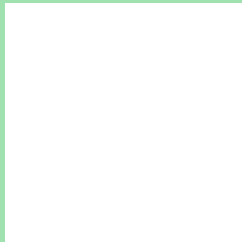
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 35.628, 149.772

Background



This preview shows how black text looks on a background with the CIELCh color 84, 35.628, 149.772.

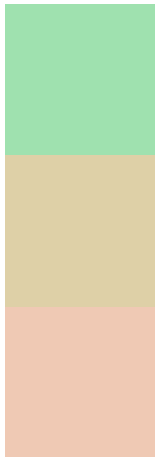


This preview shows how white text looks on a background with the CIELCh color 84, 35.628, 149.772.

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](#).

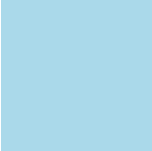
Dichromacy



Original Color
84, 35.628, 149.772

Protanopia
84, 22.196, 93.907

Deuteranopia
84, 18.606, 56.365



Tritanopia
84, 17.507, 229.498

Trichromacy



Original Color
84, 35.628, 149.772



Protanomaly
84, 23.732, 122.215



Deuteranomaly
83, 16.779, 108.708



Tritanomaly
84, 19.002, 185.196

Monochromacy



Original Color
84, 35.628, 149.772



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 13.047, 151.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 35.628, 149.772 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(159, 225, 175)` looks like.

```
.text, #text, p{  
    color:rgb(159, 225, 175)  
}
```

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(159, 225, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 225, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 35.628, 149.772 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(159, 225, 175) }
```

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

```
.border{ border-color:rgb(159, 225, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 225, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 225, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 225, 175);  
box-shadow:4px 4px 4px 4px rgb(159, 225,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 35.628, 149.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 225, 175) }
```

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

```
.background{ background-color: rgb(159,  
225, 175) }
```

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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