

Converting Colors

CIELCh(84, 49.837, 151.604)

Have a look what the booklet for
CIELCh(84, 49.837, 151.604)
contains.

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Color

CIELCh(84, 49.749, 151.519)

Conversions

Conversions Part 1

Format	Color
Hex	82E6A3
RGB	130, 230, 163
RGB Percent	51%, 90%, 64%
CMY	0.4897, 0.0975, 0.3603
CMYK	0.43, 0.00, 0.29, 0.10
HSL	140°, 67%, 71%
HSV	140°, 43%, 90%
XYZ	44.1766, 64.0658, 44.7421
YIQ	192.4620, -38.0930, -42.0370

Conversions

Conversions Part 2

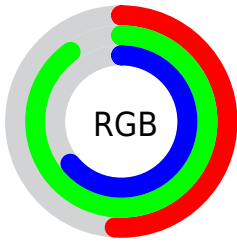
Format	Color
RYB	130, 205, 230
Decimal	8578723
CIELab	84.00, -43.73, 23.72
CIELCh	84, 49.749, 151.519
Yxy	64.0658, 0.2888, 0.4188
Android (android.graphics.Color)	4286768803 (0xFF82E6A3)
YUV	192.4620, -14.5248, -54.7792
Hunter-Lab	80.0411, -41.5535, 22.8863

Details

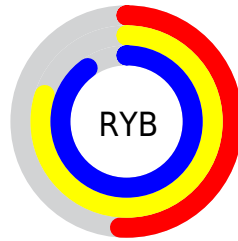
The CIELCh color **84, 49.749, 151.519** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **67, 50.470, 338.997**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 30.443, 158.965**, and **64, 49.887, 151.563** is the 20% darker color. If you saturate the color by 10%, you get **83, 60.304, 150.200**, and if you desaturate by 10%, it is **85, 38.640, 152.667**.

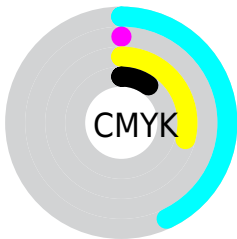
Distribution



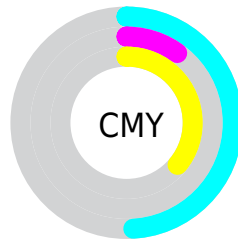
- Red (51%)
- Green (90%)
- Blue (64%)



- Red (51%)
- Yellow (80%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)



- Cyan (49%)
- Magenta (10%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 49.749, 151.519 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, 49.749, 151.519 by changing the saturation by 10% instead.


 84, 49.749,
151.519


 84, 49.749,
151.519


 100, 49.749,
151.519


 74, 49.749,
151.519

 64, 49.749,
151.519

 54, 49.749,
151.519

 44, 49.749,
151.519

 34, 49.749,
151.519

 24, 49.749,
151.519

 14, 49.749,

151.519

■ 4, 49.749, 151.519

■ 0, 49.749, 151.519

■ 84, 49.749,
151.519

■ 84, 49.749,
151.519

■ 83, 60.304,
150.200

■ 85, 38.640,
152.667

■ 82, 70.084,
148.693

■ 87, 27.186,
153.666

■ 81, 78.890,
146.991

■ 89, 15.580,
154.545

■ 81, 86.571,
145.109

■ 91, 3.977, 155.377

■ 80, 93.045,

■ 93, 7.498, 335.899

143.094

94, 15.540,
324.961

80, 96.691,
141.788

Harmonies

Complementary

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



84, 49.749, 151.519



67, 50.470, 338.997

Rectangle

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



84, 49.749, 151.519



84, 49.749, 201.519



84, 49.749, 331.519



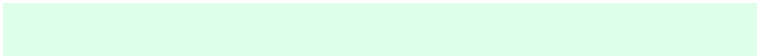
84, 49.749, 21.519

Sweetspot

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



84, 49.750, 151.519



97, 16.356, 154.577



87, 52.161, 119.987



51, 11.452, 154.391



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, 49.750, 151.519



91, 63.883, 150.363



85, 33.643, 180.379



47, 6.550, 154.872



64, 79.292, 142.153



17, 30.486, 146.105

Inverse Universe

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



67, 50.470, 338.997



69, 64.565, 339.884



66, 41.014, 10.155



45, 6.589, 336.155



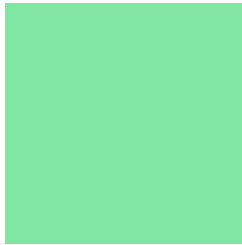
39, 69.381, 347.088



7, 29.990, 343.335

Previews

White Background



This preview shows how the CIE LCh color 84, 49.749, 151.519 looks on a white background.

Color Contrast Check

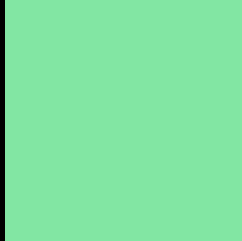
Large Text (above 18pt) WCAG AA × Fail

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, 49.749, 151.519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

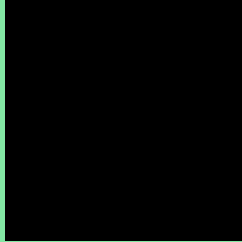
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 49.749, 151.519

Background



This preview shows how black text looks on a background with the CIELCh color 84, 49.749, 151.519.

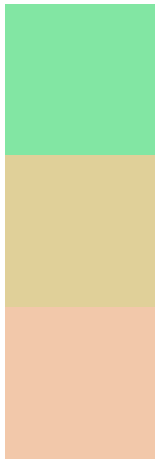


This preview shows how white text looks on a background with the CIELCh color 84, 49.749, 151.519.

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, 49.749, 151.519

Protanopia
84, 29.480, 95.030

Deuteranopia
83, 23.165, 62.724

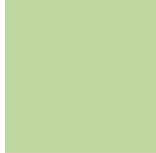


Tritanopia
84, 24.230, 221.283

Trichromacy



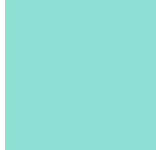
Original Color
84, 49.749, 151.519



Protanomaly
83, 32.367, 125.646



Deuteranomaly
83, 23.370, 117.684

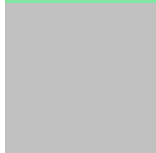


Tritanomaly
84, 28.207, 183.301

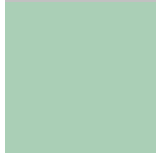
Monochromacy



Original Color
84, 49.749, 151.519



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 19.089, 153.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 49.749, 151.519 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(130, 230, 163)` looks like.

```
.text, #text, p{  
    color:rgb(130, 230, 163)  
}
```

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(130, 230, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 230, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 49.749, 151.519 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(130, 230, 163) }
```

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

```
.border{ border-color:rgb(130, 230, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 230, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 230, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 230, 163);  
box-shadow:4px 4px 4px 4px rgb(130, 230,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 49.749, 151.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 230, 163) }
```

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

```
.background{ background-color: rgb(130,  
230, 163) }
```

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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