

Converting Colors

CIELCh(85, 49.538, 151.849)

Have a look what the booklet for
CIELCh(85, 49.538, 151.849)
contains.

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Color

CIELCh(85, 49.658, 151.584)

Conversions

Conversions Part 1

Format	Color
Hex	85E9A6
RGB	133, 233, 166
RGB Percent	52%, 91%, 65%
CMY	0.4785, 0.0863, 0.3491
CMYK	0.43, 0.00, 0.29, 0.09
HSL	140°, 69%, 72%
HSV	140°, 43%, 91%
XYZ	45.6866, 66.0070, 46.4025
YIQ	195.4620, -38.0930, -42.0370

Conversions

Conversions Part 2

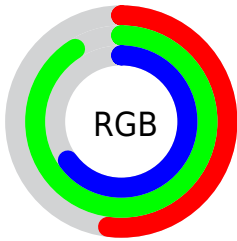
Format	Color
RYB	133, 208, 233
Decimal	8776102
CIELab	85.00, -43.67, 23.63
CIELCh	85, 49.658, 151.584
Yxy	66.0070, 0.2890, 0.4175
Android (android.graphics.Color)	4286966182 (0xFF85E9A6)
YUV	195.4620, -14.5248, -54.7792
Hunter-Lab	81.2447, -41.8018, 23.0081

Details

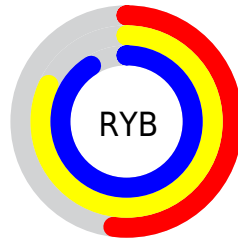
The CIELCh color **85, 49.658, 151.584** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68, 50.382, 338.953**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.646, 160.135**, and **65, 49.821, 151.696** is the 20% darker color. If you saturate the color by 10%, you get **84, 60.353, 150.273**, and if you desaturate by 10%, it is **86, 38.415, 152.724**.

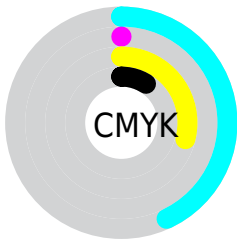
Distribution



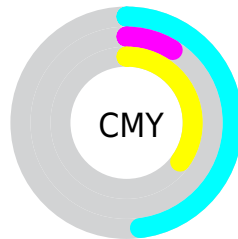
- Red (52%)
- Green (91%)
- Blue (65%)



- Red (52%)
- Yellow (82%)
- Blue (91%)



- Cyan (43%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)




- Cyan (48%)
- Magenta (9%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 49.658, 151.584 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 85, 49.658, 151.584 by changing the saturation by 10% instead.


 85, 49.658,
151.584

 85, 49.658,
151.584


 100, 49.658,
151.584

 75, 49.658,
151.584

 65, 49.658,
151.584

 55, 49.658,
151.584

 45, 49.658,
151.584

 35, 49.658,
151.584


 25, 49.658,
151.584

 15, 49.658,

151.584

 5, 49.658, 151.584


 0, 49.658, 151.584


 85, 49.658,
151.584


 85, 49.658,
151.584


 84, 60.353,
150.273


 86, 38.415,
152.724

 83, 70.274,
148.775

 88, 26.834,
153.718

 82, 79.220,
147.081

 90, 15.108,
154.592

 82, 87.034,
145.205

 92, 3.394, 155.436

 81, 93.632,

 94, 8.187, 335.940

143.193

95, 13.743,
324.896

81, 97.625,
141.775

Harmonies

Complementary

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



85, 49.658, 151.584



68, 50.382, 338.953

Rectangle

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



85, 49.658, 151.584



85, 49.658, 201.584



85, 49.658, 331.584



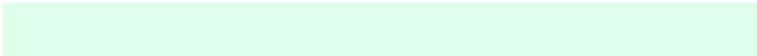
85, 49.658, 21.584

Sweetspot

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



85, 49.659, 151.584



97, 16.355, 154.580



88, 52.069, 120.012



51, 11.451, 154.394



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 49.659, 151.584



91, 63.879, 150.366



86, 33.623, 180.434



48, 6.669, 154.873



64, 80.168, 142.132



19, 31.614, 145.841

Inverse Universe

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



68, 50.382, 338.953



69, 64.562, 339.888



67, 40.888, 10.056



46, 6.709, 336.160



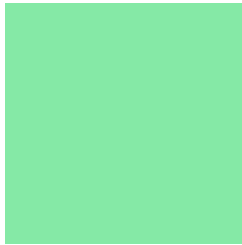
40, 70.098, 347.120



8, 30.938, 343.533

Previews

White Background



This preview shows how the CIELCh color 85, 49.658, 151.584 looks on a white background.

Color Contrast Check

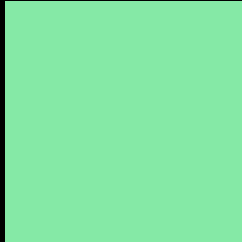
Large Text (above 18pt) WCAG AA × Fail

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 85, 49.658, 151.584 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 85, 49.658, 151.584

Background



This preview shows how black text looks on a background with the CIELCh color 85, 49.658, 151.584.

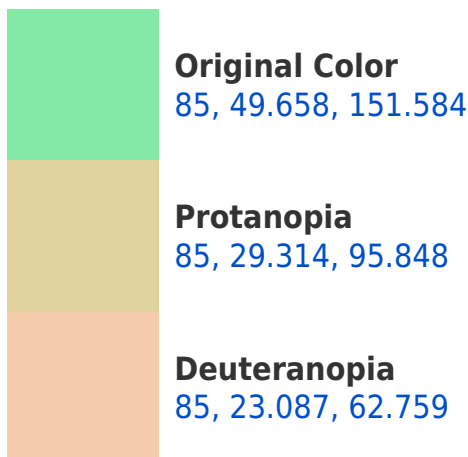


This preview shows how white text looks on a background with the CIELCh color 85, 49.658, 151.584.

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



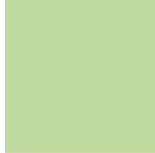


Tritanopia
85, 24.220, 221.241

Trichromacy



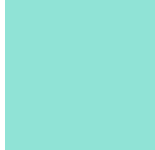
Original Color
85, 49.658, 151.584



Protanomaly
84, 32.415, 126.288



Deuteranomaly
84, 23.310, 117.702

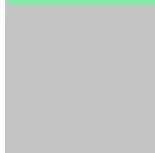


Tritanomaly
85, 28.179, 183.346

Monochromacy



Original Color
85, 49.658, 151.584



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 19.054, 153.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 49.658, 151.584 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(133, 233, 166)` looks like.

```
.text, #text, p{  
    color:rgb(133, 233, 166)  
}
```

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(133, 233, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 233, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 49.658, 151.584 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(133, 233, 166) }
```

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

```
.border{ border-color:rgb(133, 233, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 233, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 233, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 233, 166);  
box-shadow:4px 4px 4px 4px rgb(133, 233,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 49.658, 151.584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 233, 166) }
```

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

```
.background{ background-color: rgb(133,  
233, 166) }
```

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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