

Converting Colors

CIELCh(85, 50.905, 150.399)

Have a look what the booklet for
CIELCh(85, 50.905, 150.399)
contains.

CIELCh(85, 50.842, 150.416)	3
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Color

CIELCh(85, 50.842, 150.416)

Conversions

Conversions Part 1

Format	Color
Hex	85E9A3
RGB	133, 233, 163
RGB Percent	52%, 91%, 64%
CMY	0.4779, 0.0857, 0.3602
CMYK	0.43, 0.00, 0.30, 0.09
HSL	138°, 70%, 72%
HSV	138°, 43%, 91%
XYZ	45.4983, 66.0070, 45.0562
YIQ	195.1200, -37.1300, -42.9700

Conversions

Conversions Part 2

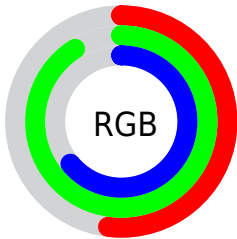
Format	Color
RYB	133, 210, 233
Decimal	8776099
CIELab	85.00, -44.21, 25.10
CIElCh	85, 50.842, 150.416
Yxy	66.0070, 0.2906, 0.4216
Android (android.graphics.Color)	4286966179 (0xFF85E9A3)
YUV	195.1200, -15.8352, -54.4792
Hunter-Lab	81.2447, -42.2155, 23.9906

Details

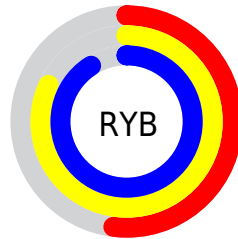
The CIELCh color **85, 50.842, 150.416** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68, 51.384, 337.557**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 29.691, 157.880**, and **65, 51.053, 150.478** is the 20% darker color. If you saturate the color by 10%, you get **84, 61.820, 149.122**, and if you desaturate by 10%, it is **86, 39.307, 151.541**.

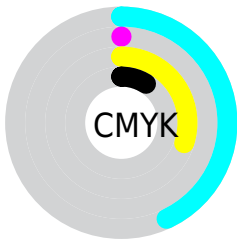
Distribution



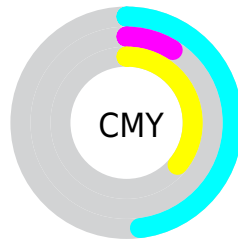
- Red (52%)
- Green (91%)
- Blue (64%)



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



- Cyan (43%)
- Magenta (0%)
- Yellow (30%)
- Black (9%)





- Cyan (48%)
- Magenta (9%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 50.842, 150.416 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, 50.842, 150.416 by changing the saturation by 10% instead.


 85, 50.842,
150.416


 85, 50.842,
150.416


 100, 50.842,
150.416


 75, 50.842,
150.416

 65, 50.842,
150.416

 55, 50.842,
150.416

 45, 50.842,
150.416

 35, 50.842,
150.416


 25, 50.842,
150.416


 15, 50.842,


150.416


 5, 50.842, 150.416

 0, 50.842, 150.416


 85, 50.842,
150.416


 85, 50.842,
150.416


 84, 61.820,
149.122


 86, 39.307,
151.541

 83, 72.002,
147.643

 88, 27.435,
152.518

 82, 81.172,
145.976

 90, 15.424,
153.374

 82, 89.150,
144.141

 92, 3.436, 154.197

 81, 95.827,

 94, 8.405, 334.689

142.192

95, 13.643,
324.893

81, 99.822,
140.831

Harmonies

Complementary

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



85, 50.842, 150.416



68, 51.384, 337.557

Rectangle

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



85, 50.842, 150.416



85, 50.842, 200.416



85, 50.842, 330.416



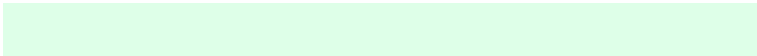
85, 50.842, 20.416

Sweetspot

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



85, 50.843, 150.416



97, 16.726, 153.360



88, 51.740, 118.635



51, 11.712, 153.178



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, 50.843, 150.416



91, 64.276, 149.347



86, 34.410, 177.715



48, 6.820, 153.646



64, 81.950, 141.173



19, 32.352, 144.788

Inverse Universe

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



68, 51.384, 337.557



70, 64.708, 338.331



67, 41.012, 7.530



46, 6.855, 334.899



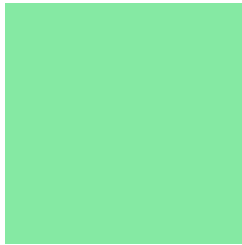
40, 71.403, 344.846



8, 31.482, 341.745

Previews

White Background



This preview shows how the CIE LCh color 85, 50.842, 150.416 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, 50.842, 150.416 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, 50.842, 150.416

Background



This preview shows how black text looks on a background with the CIELCh color 85, 50.842, 150.416.

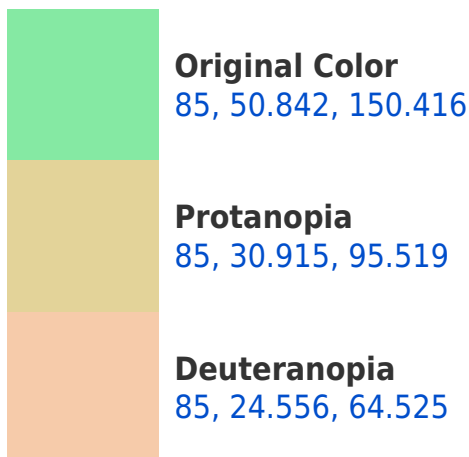


This preview shows how white text looks on a background with the CIELCh color 85, 50.842, 150.416.

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



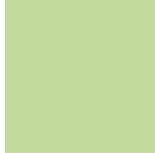


Tritanopia
85, 23.976, 221.505

Trichromacy



Original Color
85, 50.842, 150.416



Protanomaly
84, 33.747, 124.799



Deuteranomaly
84, 24.267, 116.345

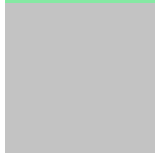


Tritanomaly
85, 28.111, 182.205

Monochromacy



Original Color
85, 50.842, 150.416



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 19.195, 152.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 50.842, 150.416 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(133, 233, 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(133, 233, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 233, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 50.842, 150.416 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, 163) }
```

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

```
.border{ border-color:rgb(133, 233, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 233, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 233, 163);  
box-shadow:4px 4px 4px 4px rgb(133, 233,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 50.842, 150.416 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, 163) }
```

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

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