

Converting Colors

CIELCh(90, 39.588, 159.885)

Have a look what the booklet for
CIELCh(90, 39.588, 159.885)
contains.

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Color

CIELCh(90, 39.684, 159.958)

Conversions

Conversions Part 1

Format	Color
Hex	99F5C7
RGB	153, 245, 199
RGB Percent	60%, 96%, 78%
CMY	0.3995, 0.0387, 0.2191
CMYK	0.38, 0.00, 0.19, 0.04
HSL	150°, 82%, 78%
HSV	150°, 38%, 96%
XYZ	56.1803, 76.3034, 65.8798
YIQ	212.2480, -40.0660, -33.8100

Conversions

Conversions Part 2

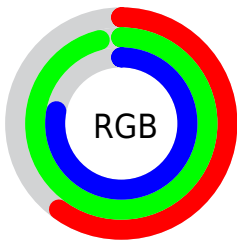
Format	Color
R_{YB}	153, 214, 245
Decimal	10089927
CIE _{Lab}	90.00, -37.28, 13.60
CIE _{LCh}	90, 39.684, 159.958
Yxy	76.3034, 0.2832, 0.3847
Android (android.graphics.Color)	4288280007 (0xFF99F5C7)
YUV	212.2480, -6.5313, -51.9605
Hunter-Lab	87.3518, -38.0635, 16.4304

Details

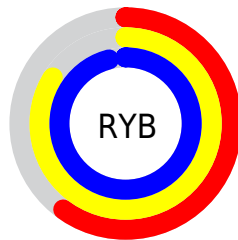
The CIELCh color **90, 39.684, 159.958** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **74, 41.524, 347.359**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.999, 198.507**, and **70, 39.673, 160.097** is the 20% darker color. If you saturate the color by 10%, you get **89, 49.489, 158.660**, and if you desaturate by 10%, it is **91, 29.399, 161.105**.

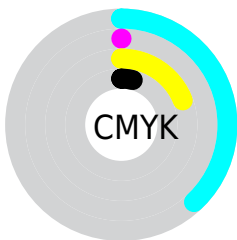
Distribution



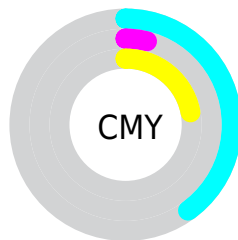
- Red (60%)
- Green (96%)
- Blue (78%)



- Red (60%)
- Yellow (84%)
- Blue (96%)



- Cyan (38%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)





- Cyan (40%)
- Magenta (4%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 39.684, 159.958 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 90, 39.684, 159.958 by changing the saturation by 10% instead.


 90, 39.684,
159.958


 90, 39.684,
159.958


 100, 39.684,
159.958


 80, 39.684,
159.958

 70, 39.684,
159.958

 60, 39.684,
159.958

 50, 39.684,
159.958

 40, 39.684,
159.958

 30, 39.684,
159.958

 20, 39.684,

159.958

■ 10, 39.684,
159.958

■ 0, 39.684, 159.958

■ 90, 39.684,
159.958

■ 90, 39.684,
159.958

■ 89, 49.489,
158.660

■ 91, 29.399,
161.105

■ 88, 58.625,
157.188

■ 93, 18.811,
162.132

■ 87, 66.923,
155.517

■ 95, 8.083, 163.077

■ 86, 74.261,
153.631

■ 97, 2.651, 343.663

■ 98, 6.138, 324.605

■ 86, 80.590,
151.531

■ 85, 85.974,
149.255

■ 85, 87.221,
148.701

Harmonies

Complementary

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



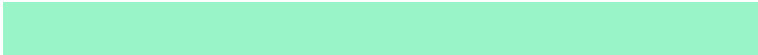
90, 39.684, 159.958



74, 41.524, 347.359

Rectangle

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



90, 39.684, 159.958



90, 39.684, 209.958



90, 39.684, 339.958



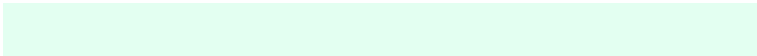
90, 39.684, 29.958

Sweetspot

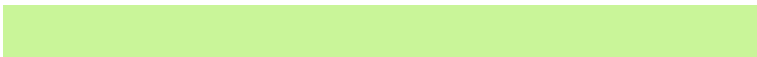
The Sweet Spot groups the original color and five complimentary colors.



90, 39.685, 159.957



98, 12.193, 162.751



92, 49.531, 126.696



52, 8.193, 162.624



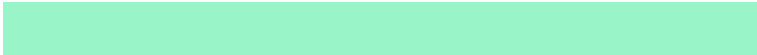
0, 0.000, 0.000



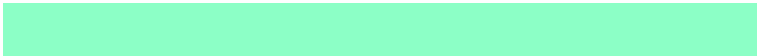
53, 0.007, 296.813

Same Dimension

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



90, 39.685, 159.957



92, 48.583, 158.991



91, 28.785, 195.987



50, 6.094, 162.894



66, 70.318, 149.128



21, 29.114, 152.706

Inverse Universe

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



74, 41.524, 347.359



72, 51.154, 348.362



73, 37.252, 21.739



48, 6.172, 344.401



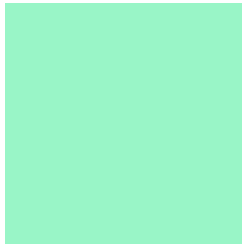
40, 66.897, 2.019



9, 30.257, 355.895

Previews

White Background



This preview shows how the CIELCh color 90, 39.684, 159.958 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 90, 39.684, 159.958 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 90, 39.684, 159.958

Background



This preview shows how black text looks on a background with the CIELCh color 90, 39.684, 159.958.



This preview shows how white text looks on a background with the CIELCh color 90, 39.684, 159.958.

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



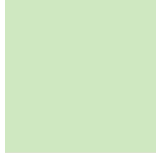


Tritanopia
90, 22.916, 222.454

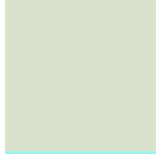
Trichromacy



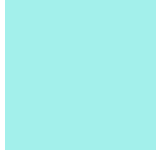
Original Color
90, 39.684, 159.958



Protanomaly
89, 22.244, 133.106

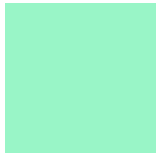


Deuteranomaly
89, 13.001, 125.602

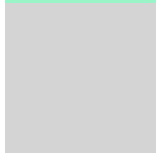


Tritanomaly
90, 25.132, 191.796

Monochromacy



Original Color
90, 39.684, 159.958



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 14.864, 161.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 39.684, 159.958 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(153, 245, 199)` looks like.

```
.text, #text, p{  
    color:rgb(153, 245, 199)  
}
```

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(153, 245, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 245, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 39.684, 159.958 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(153, 245, 199) }
```

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

```
.border{ border-color:rgb(153, 245, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 245, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 245, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 245, 199);  
box-shadow:4px 4px 4px 4px rgb(153, 245,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 39.684, 159.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 245, 199) }
```

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

```
.background{ background-color: rgb(153,  
245, 199) }
```

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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