

Converting Colors

CIELCh(90, 43.493, 166.437)

Have a look what the booklet for
CIELCh(90, 43.493, 166.437)
contains.

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Color

CIElCh(90, 43.867, 166.021)

Conversions

Conversions Part 1

Format	Color
Hex	85F8CD
RGB	133, 248, 205
RGB Percent	52%, 97%, 80%
CMY	0.4796, 0.0286, 0.1972
CMYK	0.46, 0.00, 0.17, 0.03
HSL	158°, 89%, 75%
HSV	158°, 46%, 97%
XYZ	54.0833, 76.3034, 69.4514
YIQ	208.7130, -54.7370, -37.7530

Conversions

Conversions Part 2

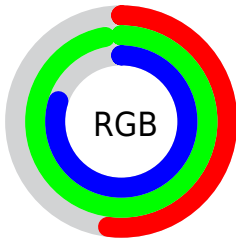
Format	Color
RYB	133, 204, 248
Decimal	8779981
CIELab	90.00, -42.57, 10.60
CIElCh	90, 43.867, 166.021
Yxy	76.3034, 0.2706, 0.3818
Android (android.graphics.Color)	4286970061 (0xFF85F8CD)
YUV	208.7130, -1.8305, -66.4003
Hunter-Lab	87.3518, -42.3484, 14.0062

Details

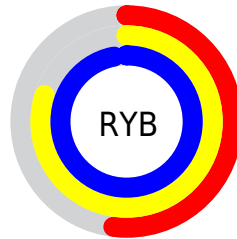
The CIELCh color **90, 43.867, 166.021** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69, 48.587, 356.787**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **70, 43.741, 166.062** is the 20% darker color. If you saturate the color by 10%, you get **89, 51.895, 164.574**, and if you desaturate by 10%, it is **91, 35.136, 167.313**.

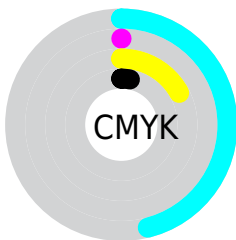
Distribution



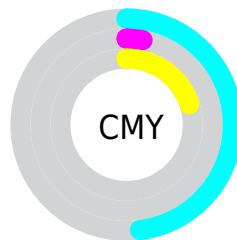
- Red (52%)
- Green (97%)
- Blue (80%)



- Red (52%)
- Yellow (80%)
- Blue (97%)



- Cyan (46%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)





- Cyan (48%)
- Magenta (3%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 43.867, 166.021 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, 43.867, 166.021 by changing the saturation by 10% instead.


 90, 43.867,
166.021


 90, 43.867,
166.021


 100, 43.867,
166.021


 80, 43.867,
166.021

 70, 43.867,
166.021

 60, 43.867,
166.021

 50, 43.867,
166.021

 40, 43.867,
166.021

 30, 43.867,
166.021

 20, 43.867,

166.021

■ 10, 43.867,
166.021

■ 0, 43.867, 166.021

■ 90, 43.867,
166.021

■ 90, 43.867,
166.021

■ 89, 51.895,
164.574

■ 91, 35.136,
167.313

■ 88, 59.070,
162.948

■ 93, 25.868,
168.478

■ 88, 65.291,
161.119

■ 94, 16.231,
169.542

■ 87, 70.530,
159.076

■ 96, 6.378, 170.556

■ 98, 3.091, 346.333

■ 87, 74.862,
156.832

■ 98, 4.545, 324.532

■ 87, 76.281,
156.021

Harmonies

Complementary

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



90, 43.867, 166.021



69, 48.587, 356.787

Rectangle

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



90, 43.867, 166.021



90, 43.867, 216.021



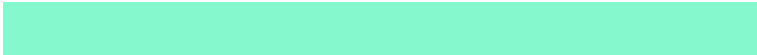
90, 43.867, 346.021



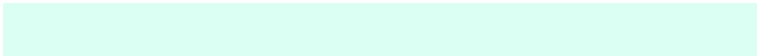
90, 43.867, 36.021

Sweetspot

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



90, 43.868, 166.020



97, 14.184, 169.787



91, 63.605, 130.824



51, 9.779, 169.567



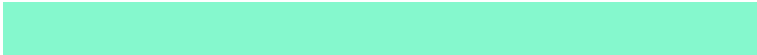
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 43.868, 166.020



91, 52.784, 164.626



87, 30.607, 210.931



51, 5.677, 170.241



68, 61.720, 156.437



22, 26.367, 159.762

Inverse Universe

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



69, 48.587, 356.787



66, 59.410, 358.701



71, 43.816, 32.725



49, 5.799, 351.884



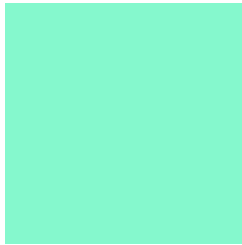
40, 68.034, 14.289



9, 30.456, 6.584

Previews

White Background



This preview shows how the CIE LCh color 90, 43.867, 166.021 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 CIE LCh color 90, 43.867, 166.021 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, 43.867, 166.021

Background



This preview shows how black text looks on a background with the CIELCh color 90, 43.867, 166.021.

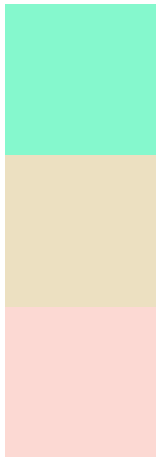


This preview shows how white text looks on a background with the CIELCh color 90, 43.867, 166.021.

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
90, 43.867, 166.021

Protanopia
89, 16.683, 92.973

Deuteranopia
89, 13.448, 33.569

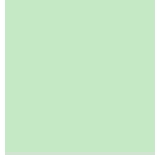


Tritanopia
90, 25.028, 218.858

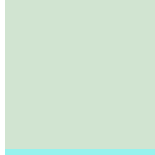
Trichromacy



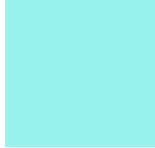
Original Color
90, 43.867, 166.021



Protanomaly
89, 22.709, 142.787



Deuteranomaly
89, 12.094, 143.977

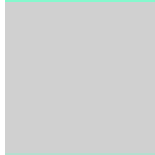


Tritanomaly
90, 28.912, 192.344

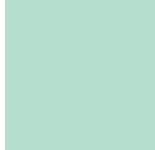
Monochromacy



Original Color
90, 43.867, 166.021



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 16.580, 169.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 43.867, 166.021 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, 248, 205)` looks like.

```
.text, #text, p{  
    color:rgb(133, 248, 205)  
}
```

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, 248, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 248, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 43.867, 166.021 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, 248, 205) }
```

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

```
.border{ border-color:rgb(133, 248, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 248, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 248, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 248, 205);  
box-shadow:4px 4px 4px 4px rgb(133, 248,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 43.867, 166.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 248, 205) }
```

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

```
.background{ background-color: rgb(133,  
248, 205) }
```

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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