

Converting Colors

CIELCh(89, 42.481, 162.440)

Have a look what the booklet for
CIELCh(89, 42.481, 162.440)
contains.

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Color

CIElCh(89, 42.481, 162.440)

Conversions

Conversions Part 1

Format	Color
Hex	8CF4C6
RGB	140, 244, 198
RGB Percent	55%, 96%, 78%
CMY	0.4520, 0.0441, 0.2245
CMYK	0.43, 0.00, 0.19, 0.04
HSL	153°, 82%, 75%
HSV	153°, 43%, 96%
XYZ	53.2094, 74.1641, 64.7867
YIQ	207.6600, -47.2180, -36.3540

Conversions

Conversions Part 2

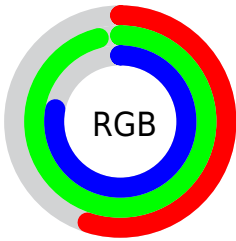
Format	Color
R_{YB}	140, 207, 244
Decimal	9237702
CIE _{Lab}	89.00, -40.50, 12.82
CIE _{LCh}	89, 42.481, 162.440
Yxy	74.1641, 0.2769, 0.3859
Android (android.graphics.Color)	4287427782 (0xFF8CF4C6)
YUV	207.6600, -4.7624, -59.3378
Hunter-Lab	86.1186, -40.4193, 15.6794

Details

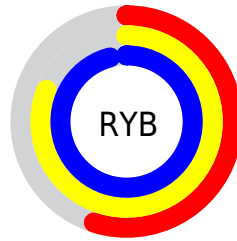
The CIELCh color **89, 42.481, 162.440** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 45.477, 351.601**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.709, 198.269**, and **69, 42.400, 162.407** is the 20% darker color. If you saturate the color by 10%, you get **88, 51.353, 161.047**, and if you desaturate by 10%, it is **90, 33.014, 163.677**.

Distribution



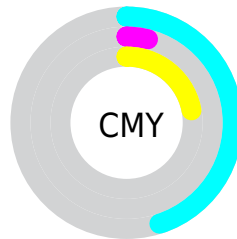
- Red (55%)
- Green (96%)
- Blue (78%)



- Red (55%)
- Yellow (81%)
- Blue (96%)



- Cyan (43%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)



- Cyan (45%)
- Magenta (4%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 42.481, 162.440 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 89, 42.481, 162.440 by changing the saturation by 10% instead.


 89, 42.481,
162.440


 89, 42.481,
162.440

 100, 42.481,
162.440

 79, 42.481,
162.440

 69, 42.481,
162.440

 59, 42.481,
162.440

 49, 42.481,
162.440

 39, 42.481,
162.440

 29, 42.481,
162.440

 19, 42.481,


162.440


 9, 42.481, 162.440

 0, 42.481, 162.440


 89, 42.481,
162.440


 89, 42.481,
162.440


 88, 51.353,
161.047


 90, 33.014,
163.677

 87, 59.459,
159.473

 92, 23.125,
164.785

 86, 66.667,
157.695

 94, 12.981,
165.794

 86, 72.902,
155.700


 96, 2.729, 166.839

 85, 78.182,

 97, 5.686, 334.419

153.496

 97, 7.011, 324.642

 85, 81.579,
151.806

Harmonies

Complementary

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



89, 42.481, 162.440



70, 45.477, 351.601

Rectangle

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



89, 42.481, 162.440



89, 42.481, 212.440



89, 42.481, 342.440



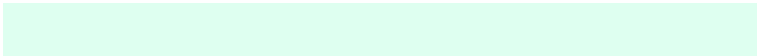
89, 42.481, 32.440

Sweetspot

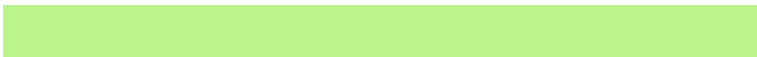
The Sweet Spot groups the original color and five complimentary colors.



89, 42.482, 162.439



97, 13.819, 165.759



90, 56.820, 128.802



52, 9.664, 165.541



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 42.482, 162.439



92, 51.770, 161.273



89, 30.038, 202.738



50, 5.848, 166.103



67, 66.091, 152.228



21, 27.477, 155.802

Inverse Universe

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



70, 45.477, 351.601



69, 55.936, 352.970



70, 41.275, 27.237



48, 5.944, 347.678



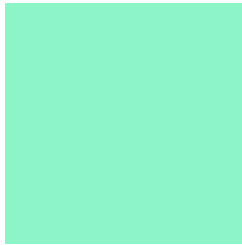
40, 66.654, 7.592



9, 29.830, 0.515

Previews

White Background



This preview shows how the CIE LCh color 89, 42.481, 162.440 looks on a white background.

Color Contrast Check

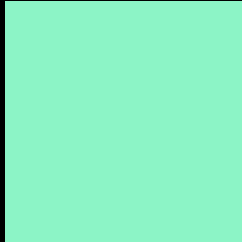
Large Text (above 18pt) WCAG AA × Fail

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 89, 42.481, 162.440 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 89, 42.481, 162.440

Background



This preview shows how black text looks on a background with the CIELCh color 89, 42.481, 162.440.

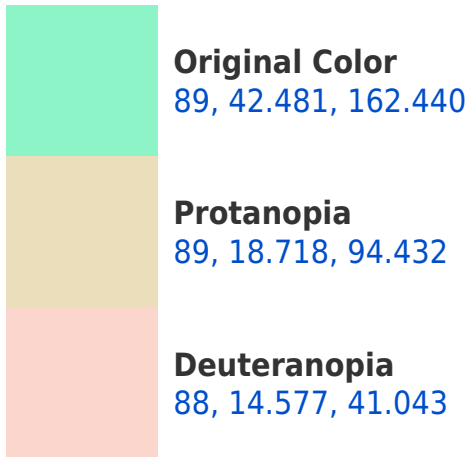


This preview shows how white text looks on a background with the CIELCh color 89, 42.481, 162.440.

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



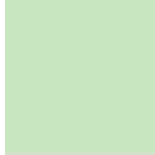


Tritanopia
89, 26.474, 220.086

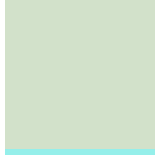
Trichromacy



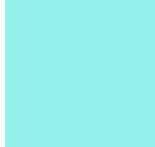
Original Color
89, 42.481, 162.440



Protanomaly
88, 23.134, 137.087



Deuteranomaly
88, 13.209, 133.779

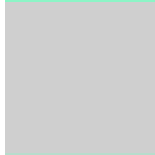


Tritanomaly
89, 28.665, 192.285

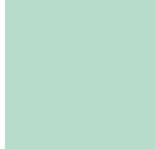
Monochromacy



Original Color
89, 42.481, 162.440



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 15.729, 165.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 42.481, 162.440 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(140, 244, 198)` looks like.

```
.text, #text, p{  
    color:rgb(140, 244, 198)  
}
```

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(140, 244, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 244, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 42.481, 162.440 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(140, 244, 198) }
```

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

```
.border{ border-color:rgb(140, 244, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 244, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 244, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 244, 198);  
box-shadow:4px 4px 4px 4px rgb(140, 244,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 42.481, 162.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 244, 198) }
```

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

```
.background{ background-color: rgb(140,  
244, 198) }
```

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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