

Converting Colors

CIELCh(89, 43.602, 163.335)

Have a look what the booklet for
CIELCh(89, 43.602, 163.335)
contains.

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Color

CIElCh(89, 43.602, 163.335)

Conversions

Conversions Part 1

Format	Color
Hex	87F4C6
RGB	135, 244, 198
RGB Percent	53%, 96%, 78%
CMY	0.4693, 0.0419, 0.2223
CMYK	0.45, 0.00, 0.19, 0.04
HSL	155°, 84%, 74%
HSV	155°, 45%, 96%
XYZ	52.7192, 74.1641, 65.1487
YIQ	206.1650, -50.1980, -37.4140

Conversions

Conversions Part 2

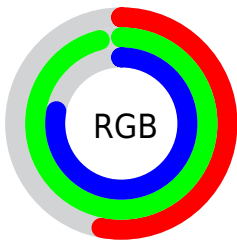
Format	Color
R _Y B	135, 204, 244
Decimal	8910022
CIE Lab	89.00, -41.77, 12.50
CIE LCh	89, 43.602, 163.335
Yxy	74.1641, 0.2745, 0.3862
Android (android.graphics.Color)	4287100102 (0xFF87F4C6)
YUV	206.1650, -4.0253, -62.4117
Hunter-Lab	86.1186, -41.4352, 15.4302

Details

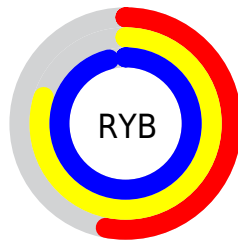
The CIELCh color **89, 43.602, 163.335** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70, 47.150, 353.206**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.212, 198.174**, and **69, 43.547, 163.287** is the 20% darker color. If you saturate the color by 10%, you get **88, 52.156, 161.909**, and if you desaturate by 10%, it is **90, 34.409, 164.602**.

Distribution



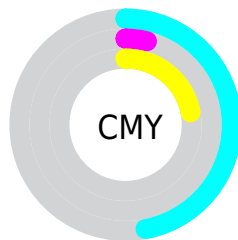
- Red (53%)
- Green (96%)
- Blue (78%)



- Red (53%)
- Yellow (80%)
- Blue (96%)



- Cyan (45%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)





- Cyan (47%)
- Magenta (4%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 43.602, 163.335 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, 43.602, 163.335 by changing the saturation by 10% instead.


 89, 43.602,
163.335


 89, 43.602,
163.335


 100, 43.602,
163.335


 79, 43.602,
163.335

 69, 43.602,
163.335

 59, 43.602,
163.335

 49, 43.602,
163.335

 39, 43.602,
163.335


 29, 43.602,
163.335


 19, 43.602,


163.335


 9, 43.602, 163.335


 0, 43.602, 163.335


 89, 43.602,
163.335


 89, 43.602,
163.335


 88, 52.156,
161.909

 90, 34.409,
164.602

 87, 59.907,
160.300

 92, 24.748,
165.740

 86, 66.737,
158.485

 93, 14.786,
166.774

 86, 72.592,
156.454

 95, 4.674, 167.776


 86, 77.515,

 97, 4.736, 342.805

154.217



97, 6.648, 324.627

 85, 79.891,
152.978

Harmonies

Complementary

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



89, 43.602, 163.335



70, 47.150, 353.206

Rectangle

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



89, 43.602, 163.335



89, 43.602, 213.335



89, 43.602, 343.335



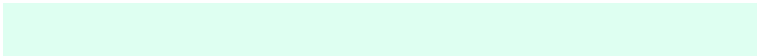
89, 43.602, 33.335

Sweetspot

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



89, 43.603, 163.334



97, 13.624, 166.931



90, 59.697, 129.276



52, 9.526, 166.711



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, 43.603, 163.334



91, 53.456, 161.983



88, 30.660, 204.659



50, 5.767, 167.278



67, 64.615, 153.403



21, 26.912, 156.963

Inverse Universe

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



70, 47.150, 353.206



67, 58.454, 354.879



70, 42.966, 28.718



48, 5.870, 348.875



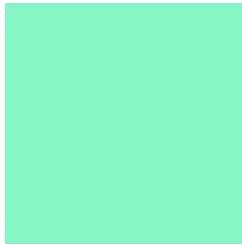
40, 66.745, 9.546



9, 29.736, 2.164

Previews

White Background



This preview shows how the CIE LCh color 89, 43.602, 163.335 looks on a white background.

Color Contrast Check

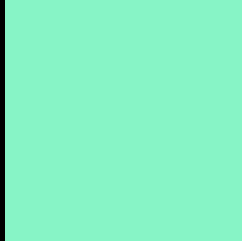
Large Text (above 18pt) WCAG AA × Fail

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, 43.602, 163.335 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, 43.602, 163.335

Background



This preview shows how black text looks on a background with the CIELCh color 89, 43.602, 163.335.

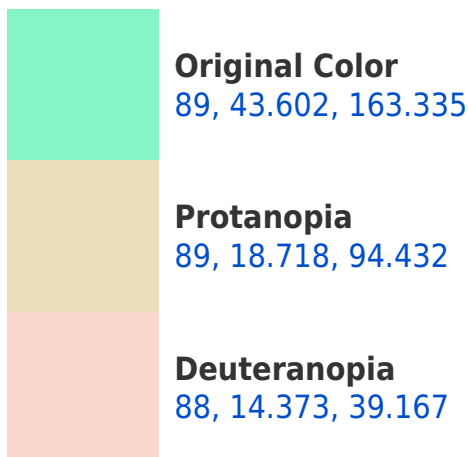


This preview shows how white text looks on a background with the CIELCh color 89, 43.602, 163.335.

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



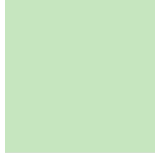


Tritanopia
89, 26.946, 219.654

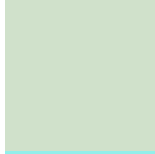
Trichromacy



Original Color
89, 43.602, 163.335



Protanomaly
88, 23.503, 138.583



Deuteranomaly
88, 13.079, 137.563

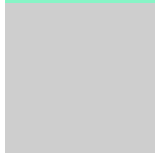


Tritanomaly
89, 29.444, 192.372

Monochromacy



Original Color
89, 43.602, 163.335



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 16.902, 166.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 43.602, 163.335 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(135, 244, 198)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 244, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 244, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 43.602, 163.335 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(135, 244, 198) }
```

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

```
.border{ border-color:rgb(135, 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(135, 244, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 244, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 244, 198);  
box-shadow:4px 4px 4px 4px rgb(135, 244,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 43.602, 163.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 244, 198) }
```

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

```
.background{ background-color: rgb(135,  
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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