

Converting Colors

CIELCh(89, 37.999, 174.833)

Have a look what the booklet for
CIELCh(89, 37.999, 174.833)
contains.

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Color

CIELCh(89, 37.831, 175.038)

Conversions

Conversions Part 1

Format	Color
Hex	86F3D8
RGB	134, 243, 216
RGB Percent	53%, 95%, 85%
CMY	0.4743, 0.0468, 0.1527
CMYK	0.45, 0.00, 0.11, 0.05
HSL	165°, 82%, 74%
HSV	165°, 45%, 95%
XYZ	54.3062, 74.1641, 76.4520
YIQ	207.3310, -56.2970, -31.5050

Conversions

Conversions Part 2

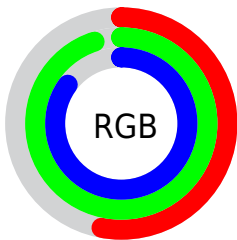
Format	Color
RYB	134, 196, 243
Decimal	8844248
CIELab	89.00, -37.69, 3.27
CIELCh	89, 37.831, 175.038
Yxy	74.1641, 0.2650, 0.3619
Android (android.graphics.Color)	4287034328 (0xFF86F3D8)
YUV	207.3310, 4.2738, -64.3113
Hunter-Lab	86.1186, -38.1459, 7.6482

Details

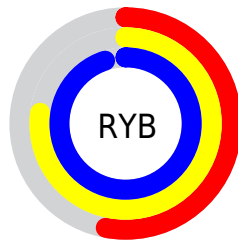
The CIELCh color **89, 37.831, 175.038** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69, 44.642, 5.598**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **69, 37.781, 175.022** is the 20% darker color. If you saturate the color by 10%, you get **88, 44.685, 173.741**, and if you desaturate by 10%, it is **90, 30.225, 176.219**.

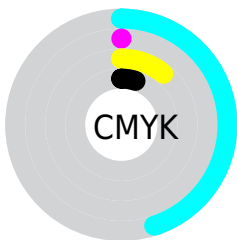
Distribution



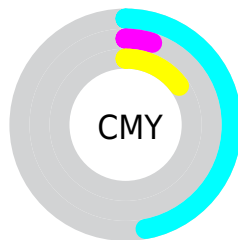
- Red (53%)
- Green (95%)
- Blue (85%)



- Red (53%)
- Yellow (77%)
- Blue (95%)



- Cyan (45%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)





- Cyan (47%)
- Magenta (5%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 37.831, 175.038 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, 37.831, 175.038 by changing the saturation by 10% instead.


 89, 37.831,
175.038


 89, 37.831,
175.038


 100, 37.831,
175.038


 79, 37.831,
175.038

 69, 37.831,
175.038

 59, 37.831,
175.038

 49, 37.831,
175.038

 39, 37.831,
175.038


 29, 37.831,
175.038


 19, 37.831,

175.038


 9, 37.831, 175.038


 0, 37.831, 175.038


 89, 37.831,
175.038


 89, 37.831,
175.038


 88, 44.685,
173.741


 90, 30.225,
176.219

 87, 50.653,
172.307

 92, 22.016,
177.311

 87, 55.649,
170.710

 93, 13.361,
178.337

 86, 59.653,
168.928

 95, 4.405, 179.372

 86, 62.735,

 97, 4.531, 359.116

166.956

97, 6.309, 332.065

86, 64.082,
165.899

97, 7.442, 324.659

Harmonies

Complementary

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



89, 37.831, 175.038



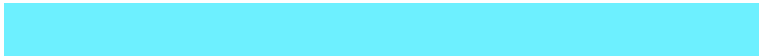
69, 44.642, 5.598

Rectangle

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



89, 37.831, 175.038



89, 37.831, 225.038



89, 37.831, 355.038



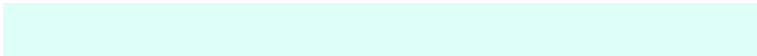
89, 37.831, 45.038

Sweetspot

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



89, 37.832, 175.036



98, 12.191, 178.519



89, 63.078, 134.876



52, 8.507, 178.297



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, 37.832, 175.036



92, 45.864, 173.837



82, 27.742, 229.632



50, 5.176, 178.875



67, 52.181, 166.270



21, 22.246, 169.344

Inverse Universe

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



69, 44.642, 5.598



67, 56.026, 7.637



74, 38.124, 44.281



48, 5.348, 0.531



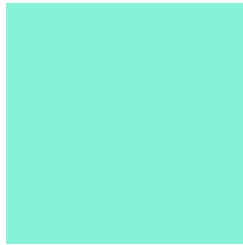
39, 71.214, 25.695



9, 29.824, 14.303

Previews

White Background



This preview shows how the CIE LCh color 89, 37.831, 175.038 looks on a white background.

Color Contrast Check

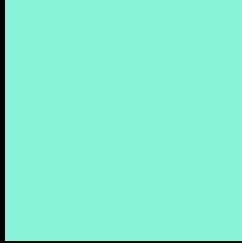
Large Text (above 18pt) WCAG AA × Fail

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, 37.831, 175.038 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, 37.831, 175.038

Background



This preview shows how black text looks on a background with the CIELCh color 89, 37.831, 175.038.

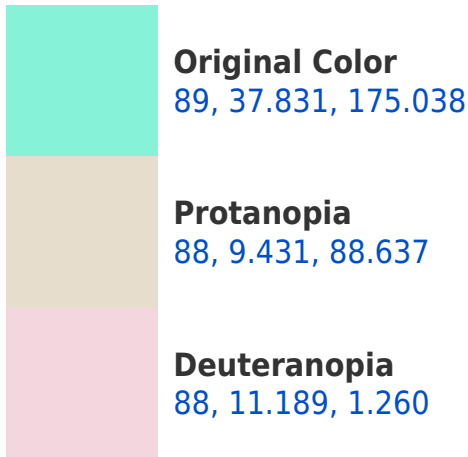



This preview shows how white text looks on a background with the CIELCh color 89, 37.831, 175.038.

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, 27.544, 217.927

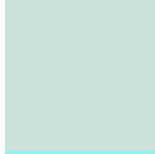
Trichromacy



Original Color
89, 37.831, 175.038



Protanomaly
88, 16.467, 156.678



Deuteranomaly
88, 7.900, 179.608

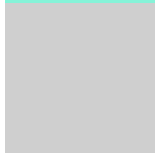


Tritanomaly
89, 29.279, 199.595

Monochromacy



Original Color
89, 37.831, 175.038



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 15.045, 177.844

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 37.831, 175.038 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(134, 243, 216)` looks like.

```
.text, #text, p{  
    color:rgb(134, 243, 216)  
}
```

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(134, 243, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 243, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 37.831, 175.038 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(134, 243, 216) }
```

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

```
.border{ border-color:rgb(134, 243, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 243, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 243, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 243, 216);  
box-shadow:4px 4px 4px 4px rgb(134, 243,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 37.831, 175.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 243, 216) }
```

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

```
.background{ background-color: rgb(134,  
243, 216) }
```

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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