

Converting Colors

CIELCh(89, 60.180, 169.253)

Have a look what the booklet for
CIELCh(89, 60.180, 169.253)
contains.

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Color

CIELCh(89, 60.437, 169.044)

Conversions

Conversions Part 1

Format	Color
Hex	2EFCC8
RGB	46, 252, 200
RGB Percent	18%, 99%, 78%
CMY	0.8182, 0.0130, 0.2169
CMYK	0.82, 0.00, 0.21, 0.01
HSL	165°, 97%, 58%
HSV	165°, 82%, 99%
XYZ	46.2421, 74.1641, 66.3360
YIQ	184.4780, -106.0840, -59.8440

Conversions

Conversions Part 2

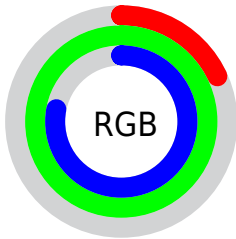
Format	Color
RYB	46, 164, 252
Decimal	3079368
CIELab	89.00, -59.34, 11.49
CIELCh	89, 60.437, 169.044
Yxy	74.1641, 0.2476, 0.3971
Android (android.graphics.Color)	4281269448 (0xFF2EFCC8)
YUV	184.4780, 7.6523, -121.4452
Hunter-Lab	86.1186, -54.8606, 14.6128

Details

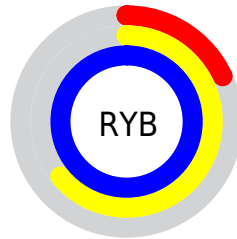
The CIELCh color **89, 60.437, 169.044** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **56, 79.302, 16.656**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **70, 53.838, 166.235** is the 20% darker color. If you saturate the color by 10%, you get **89, 63.946, 167.109**, and if you desaturate by 10%, it is **90, 55.945, 170.783**.

Distribution



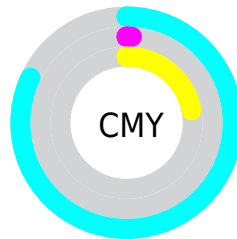
- Red (18%)
- Green (99%)
- Blue (78%)



- Red (18%)
- Yellow (64%)
- Blue (99%)



- Cyan (82%)
- Magenta (0%)
- Yellow (21%)
- Black (1%)





- Cyan (82%)
- Magenta (1%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 60.437, 169.044 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, 60.437, 169.044 by changing the saturation by 10% instead.

 89, 60.437,
169.044

 89, 60.437,
169.044


 100, 60.437,
169.044


 79, 60.437,
169.044

 69, 60.437,
169.044

 59, 60.437,
169.044

 49, 60.437,
169.044

 39, 60.437,
169.044


 29, 60.437,
169.044


 19, 60.437,


169.044


 9, 60.437, 169.044


 0, 60.437, 169.044


 89, 60.437,
169.044


 89, 60.437,
169.044


 89, 63.946,
167.109

 90, 55.945,
170.783

 88, 66.306,
165.366


 90, 50.430,
172.342


 91, 43.938,
173.743

 92, 36.578,
175.011

 93, 28.494,

176.171

 95, 19.846,
177.246

 97, 10.794,
178.263

 99, 1.481, 179.538

 99, 2.068, 324.364

Harmonies

Complementary

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



89, 60.437, 169.044



56, 79.302, 16.656

Rectangle

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



89, 60.437, 169.044



89, 60.437, 219.044



89, 60.437, 349.044



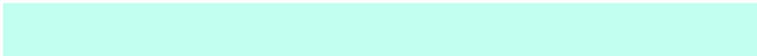
89, 60.437, 39.044

Sweetspot

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



89, 60.437, 169.043



96, 22.216, 176.990



88, 106.115, 133.043



50, 15.161, 176.609



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

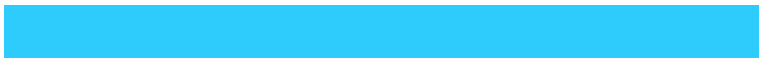
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 60.437, 169.043



90, 66.434, 165.762



76, 41.738, 236.058



51, 5.279, 178.474



68, 53.098, 165.761



22, 23.060, 168.713

Inverse Universe

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



56, 79.302, 16.656



54, 89.629, 25.341



61, 81.056, 44.433



49, 5.452, 0.137



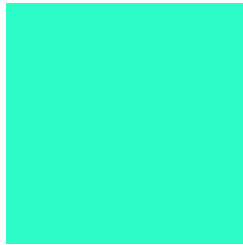
40, 71.738, 25.298



9, 30.746, 14.948

Previews

White Background



This preview shows how the CIE LCh color 89, 60.437, 169.044 looks on a white background.

Color Contrast Check

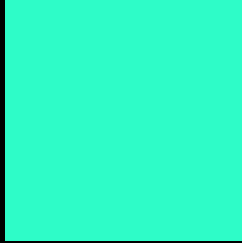
Large Text (above 18pt) WCAG AA × Fail

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, 60.437, 169.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

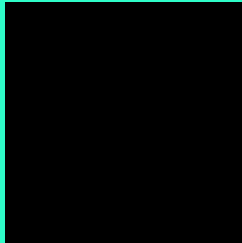
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 60.437, 169.044

Background



This preview shows how black text looks on a background with the CIELCh color 89, 60.437, 169.044.

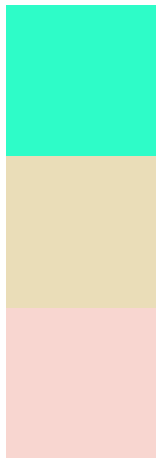


This preview shows how white text looks on a background with the CIELCh color 89, 60.437, 169.044.

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](#).

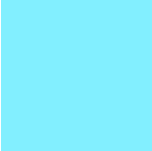
Dichromacy



Original Color
89, 60.513, 169.075

Protanopia
88, 19.837, 93.944

Deuteranopia
88, 13.116, 33.935

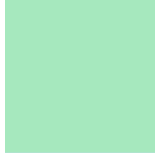


Tritanopia
89, 32.335, 212.598

Trichromacy



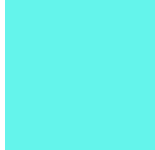
Original Color
89, 60.513, 169.075



Protanomaly
87, 32.299, 154.583



Deuteranomaly
87, 22.319, 165.208

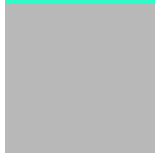


Tritanomaly
89, 41.182, 190.175

Monochromacy



Original Color
89, 60.513, 169.075



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 27.595, 175.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 60.437, 169.044 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(46, 252, 200)` looks like.

```
.text, #text, p{  
    color:rgb(46, 252, 200)  
}
```

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(46, 252, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 252, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 60.437, 169.044 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(46, 252, 200) }
```

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

```
.border{ border-color:rgb(46, 252, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 252, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 252, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 252, 200);  
box-shadow:4px 4px 4px 4px rgb(46, 252,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 60.437, 169.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 252, 200) }
```

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

```
.background{ background-color: rgb(46, 252,  
200) }
```

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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