

Converting Colors

CIELCh(89, 52.276, 172.528)

Have a look what the booklet for
CIELCh(89, 52.276, 172.528)
contains.

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Color

CIELCh(89, 52.300, 172.567)

Conversions

Conversions Part 1

Format	Color
Hex	53F9D1
RGB	83, 249, 209
RGB Percent	33%, 98%, 82%
CMY	0.6747, 0.0237, 0.1805
CMYK	0.67, 0.00, 0.16, 0.02
HSL	166°, 93%, 65%
HSV	166°, 67%, 98%
XYZ	48.9294, 74.1641, 72.0323
YIQ	194.8060, -86.0960, -47.6320

Conversions

Conversions Part 2

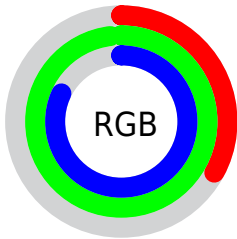
Format	Color
RYB	83, 177, 249
Decimal	5503441
CIELab	89.00, -51.86, 6.77
CIELCh	89, 52.300, 172.567
Yxy	74.1641, 0.2508, 0.3801
Android (android.graphics.Color)	4283693521 (0xFF53F9D1)
YUV	194.8060, 6.9976, -98.0539
Hunter-Lab	86.1186, -49.2904, 10.6910

Details

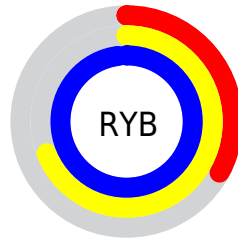
The CIELCh color **89, 52.300, 172.567** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **60, 67.065, 11.762**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **70, 49.791, 171.537** is the 20% darker color. If you saturate the color by 10%, you get **88, 57.130, 170.951**, and if you desaturate by 10%, it is **90, 46.465, 174.016**.

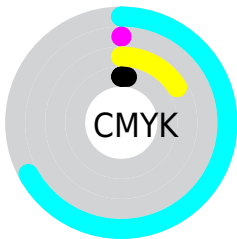
Distribution



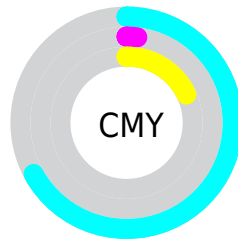
- Red (33%)
- Green (98%)
- Blue (82%)



- Red (33%)
- Yellow (69%)
- Blue (98%)



- Cyan (67%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)





- Cyan (67%)
- Magenta (2%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 52.300, 172.567 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, 52.300, 172.567 by changing the saturation by 10% instead.


 89, 52.300,
172.567

 89, 52.300,
172.567


 100, 52.300,
172.567


 79, 52.300,
172.567

 69, 52.300,
172.567

 59, 52.300,
172.567

 49, 52.300,
172.567

 39, 52.300,
172.567

 29, 52.300,
172.567


 19, 52.300,


172.567


 9, 52.300, 172.567


 0, 52.300, 172.567


 89, 52.300,
172.567


 89, 52.300,
172.567


 88, 57.130,
170.951

 90, 46.465,
174.016


 88, 60.950,
169.151


 91, 39.702,
175.325

 88, 63.855,
167.164

 92, 32.135,
176.519

 88, 64.710,
166.491

 93, 23.919,
177.621

 95, 15.211,

178.653

■ 97, 6.162, 179.665

■ 98, 2.366, 353.903

■ 99, 3.758, 324.490

Harmonies

Complementary

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



89, 52.300, 172.567



60, 67.065, 11.762

Rectangle

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



89, 52.300, 172.567



89, 52.300, 222.567



89, 52.300, 352.567



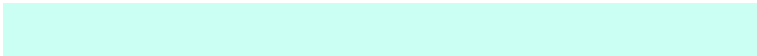
89, 52.300, 42.567

Sweetspot

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



89, 52.300, 172.566



96, 18.502, 178.314



88, 91.699, 133.672



51, 12.563, 178.024



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, 52.300, 172.566



90, 59.621, 170.356



78, 37.529, 234.330



51, 5.246, 179.374



68, 52.270, 166.866



22, 22.746, 169.755

Inverse Universe

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



60, 67.065, 11.762



57, 79.295, 16.978



66, 62.747, 44.816



49, 5.424, 1.029



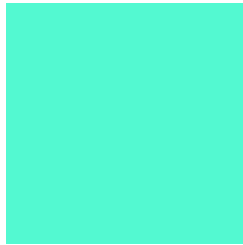
40, 72.263, 26.316



9, 30.799, 15.643

Previews

White Background



This preview shows how the CIE LCh color 89, 52.300, 172.567 looks on a white background.

Color Contrast Check

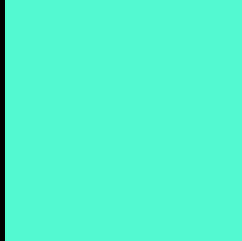
Large Text (above 18pt) WCAG AA × Fail

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, 52.300, 172.567 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, 52.300, 172.567

Background



This preview shows how black text looks on a background with the CIELCh color 89, 52.300, 172.567.

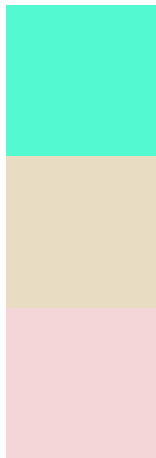


This preview shows how white text looks on a background with the CIELCh color 89, 52.300, 172.567.

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, 52.300, 172.567

Protanopia

88, 14.619, 92.442

Deuteranopia

88, 11.469, 15.025

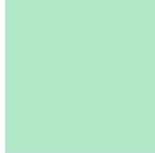


Tritanopia
89, 31.090, 214.320

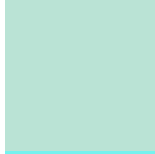
Trichromacy



Original Color
89, 52.300, 172.567



Protanomaly
87, 25.355, 156.555



Deuteranomaly
87, 16.244, 171.468

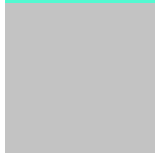


Tritanomaly
89, 36.967, 193.777

Monochromacy



Original Color
89, 52.300, 172.567



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 22.586, 177.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 52.300, 172.567 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(83, 249, 209)` looks like.

```
.text, #text, p{  
    color:rgb(83, 249, 209)  
}
```

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(83, 249, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 249, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 52.300, 172.567 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(83, 249, 209) }
```

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

```
.border{ border-color:rgb(83, 249, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 249, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 249, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 249, 209);  
box-shadow:4px 4px 4px 4px rgb(83, 249,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 52.300, 172.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 249, 209) }
```

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

```
.background{ background-color: rgb(83, 249,  
209) }
```

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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