

Converting Colors

CIELCh(89, 55.454, 175.754)

Have a look what the booklet for
CIELCh(89, 55.454, 175.754)
contains.

CIELCh(89, 55.622, 175.576)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 55.622, 175.576)

Conversions

Conversions Part 1

Format	Color
Hex	2FFBD6
RGB	47, 251, 214
RGB Percent	18%, 98%, 84%
CMY	0.8152, 0.0174, 0.1624
CMYK	0.81, 0.00, 0.15, 0.02
HSL	169°, 96%, 58%
HSV	169°, 81%, 98%
XYZ	47.6240, 74.1641, 75.1457
YIQ	185.7860, -109.7070, -54.7550

Conversions

Conversions Part 2

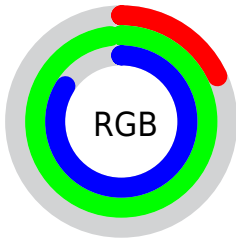
Format	Color
RYB	47, 159, 251
Decimal	3144662
CIELab	89.00, -55.46, 4.29
CIELCh	89, 55.622, 175.576
Yxy	74.1641, 0.2418, 0.3766
Android (android.graphics.Color)	4281334742 (0xFF2FFBD6)
YUV	185.7860, 13.9095, -121.7153
Hunter-Lab	86.1186, -51.9961, 8.5475

Details

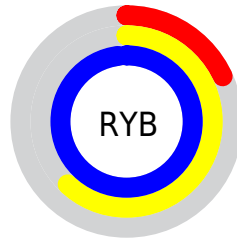
The CIELCh color **89, 55.622, 175.576** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **55, 80.774, 22.264**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.655, 197.170**, and **70, 48.950, 173.272** is the 20% darker color. If you saturate the color by 10%, you get **89, 58.409, 173.931**, and if you desaturate by 10%, it is **89, 51.831, 177.057**.

Distribution



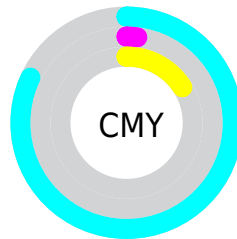
- Red (18%)
- Green (98%)
- Blue (84%)



- Red (18%)
- Yellow (62%)
- Blue (98%)



- Cyan (81%)
- Magenta (0%)
- Yellow (15%)
- Black (2%)





- Cyan (82%)
- Magenta (2%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 55.622, 175.576 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, 55.622, 175.576 by changing the saturation by 10% instead.


 89, 55.622,
175.576


 89, 55.622,
175.576


 100, 55.622,
175.576


 79, 55.622,
175.576

 69, 55.622,
175.576

 59, 55.622,
175.576

 49, 55.622,
175.576

 39, 55.622,
175.576

 29, 55.622,
175.576

 19, 55.622,

175.576

■ 9, 55.622, 175.576

■ 0, 55.622, 175.576

■ 89, 55.622,
175.576

■ 89, 55.622,
175.576

■ 89, 58.409,
173.931

■ 89, 51.831,
177.057

■ 89, 60.210,
172.368


■ 90, 46.991,
178.395


■ 91, 41.140,
179.613

■ 92, 34.376,
180.733

■ 93, 26.834,

181.776

 95, 18.669,
182.763

 96, 10.035,
183.718

 98, 1.076, 185.112

 99, 2.587, 327.067

Harmonies

Complementary

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



89, 55.622, 175.576



55, 80.774, 22.264

Rectangle

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



89, 55.622, 175.576



89, 55.622, 225.576



89, 55.622, 355.576



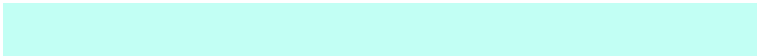
89, 55.622, 45.576

Sweetspot

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



89, 55.622, 175.575



96, 21.318, 182.488



87, 107.517, 134.626



51, 14.523, 182.137



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, 55.622, 175.575



90, 60.439, 172.885



71, 44.391, 251.010



51, 5.100, 183.882



68, 48.461, 172.702



22, 21.306, 175.195

Inverse Universe

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



55, 80.774, 22.264



54, 93.151, 30.405



63, 77.111, 49.767



49, 5.307, 5.469



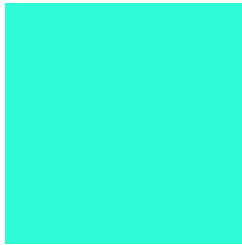
39, 75.062, 30.873



9, 31.081, 18.628

Previews

White Background



This preview shows how the CIE LCh color 89, 55.622, 175.576 looks on a white background.

Color Contrast Check

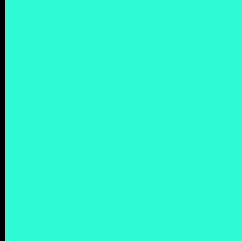
Large Text (above 18pt) WCAG AA × Fail

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, 55.622, 175.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

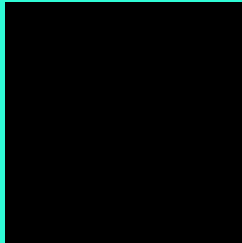
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 55.622, 175.576

Background



This preview shows how black text looks on a background with the CIELCh color 89, 55.622, 175.576.

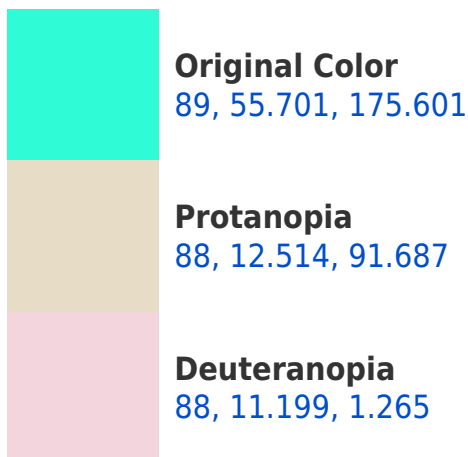


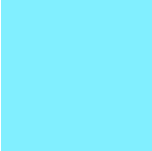
This preview shows how white text looks on a background with the CIELCh color 89, 55.622, 175.576.

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



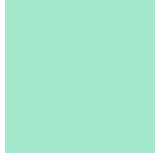


Tritanopia
89, 32.545, 212.487

Trichromacy



Original Color
89, 55.701, 175.601



Protanomaly
87, 27.904, 165.843



Deuteranomaly
86, 19.399, 183.948

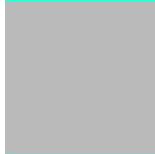


Tritanomaly
88, 40.251, 194.603

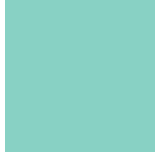
Monochromacy



Original Color
89, 55.701, 175.601



Achromatopsia
76, 0.009, 296.813



Achromatomaly
79, 25.635, 181.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 55.622, 175.576 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(47, 251, 214)` looks like.

```
.text, #text, p{  
    color:rgb(47, 251, 214)  
}
```

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(47, 251, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 251, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 55.622, 175.576 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(47, 251, 214) }
```

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

```
.border{ border-color:rgb(47, 251, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 251, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 251, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 251, 214);  
box-shadow:4px 4px 4px 4px rgb(47, 251,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 55.622, 175.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 251, 214) }
```

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

```
.background{ background-color: rgb(47, 251,  
214) }
```

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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