

Converting Colors

CIELCh(89, 68.746, 161.104)

Have a look what the booklet for
CIELCh(89, 68.746, 161.104)
contains.

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Color

CIELCh(89, 68.523, 161.282)

Conversions

Conversions Part 1

Format	Color
Hex	2AFDB3
RGB	42, 253, 179
RGB Percent	16%, 99%, 70%
CMY	0.8369, 0.0068, 0.2971
CMYK	0.84, 0.00, 0.29, 0.01
HSL	159°, 98%, 58%
HSV	159°, 84%, 99%
XYZ	44.3071, 74.1641, 54.7555
YIQ	181.4750, -102.0020, -67.7460

Conversions

Conversions Part 2

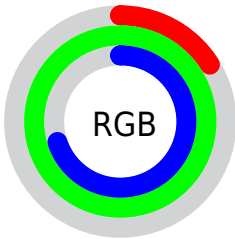
Format	Color
RYB	42, 170, 253
Decimal	2817459
CIELab	89.00, -64.90, 21.99
CIELCh	89, 68.523, 161.282
Yxy	74.1641, 0.2558, 0.4281
Android (android.graphics.Color)	4281007539 (0xFF2AFDB3)
YUV	181.4750, -1.2202, -122.3196
Hunter-Lab	86.1186, -58.8712, 22.5855

Details

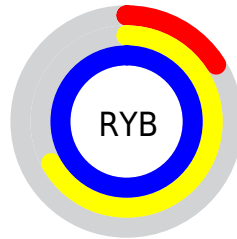
The CIELCh color **89, 68.523, 161.282** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **56, 79.531, 9.322**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.546, 182.014**, and **70, 61.805, 157.747** is the 20% darker color. If you saturate the color by 10%, you get **89, 72.916, 159.111**, and if you desaturate by 10%, it is **90, 63.174, 163.243**.

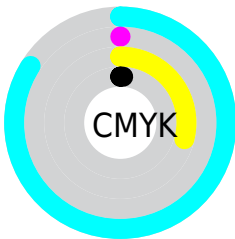
Distribution



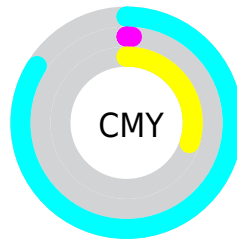
- Red (16%)
- Green (99%)
- Blue (70%)



- Red (16%)
- Yellow (67%)
- Blue (99%)



- Cyan (84%)
- Magenta (0%)
- Yellow (29%)
- Black (1%)



- Cyan (84%)
- Magenta (1%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 68.523, 161.282 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, 68.523, 161.282 by changing the saturation by 10% instead.

 89, 68.523,
161.282

 89, 68.523,
161.282

 100, 68.523,
161.282

 79, 68.523,
161.282

 69, 68.523,
161.282

 59, 68.523,
161.282

 49, 68.523,
161.282

 39, 68.523,
161.282


 29, 68.523,
161.282

 19, 68.523,


161.282

 9, 68.523, 161.282


 0, 68.523, 161.282


 89, 68.523,
161.282


 89, 68.523,
161.282

 89, 72.916,
159.111

 90, 63.174,
163.243

 89, 75.364,
157.653

 90, 56.821,
164.995

 91, 49.511,
166.554

 92, 41.360,
167.946

 94, 32.522,

169.196

■ 95, 23.168,
170.331

■ 97, 13.464,
171.377

■ 99, 3.559, 172.439

■ 100, 1.085,
324.195

Harmonies

Complementary

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



89, 68.523, 161.282



56, 79.531, 9.322

Rectangle

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



89, 68.523, 161.282



89, 68.523, 211.282



89, 68.523, 341.282



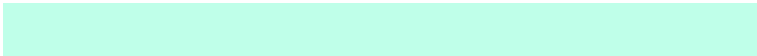
89, 68.523, 31.282

Sweetspot

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



89, 68.523, 161.281



95, 24.661, 170.174



89, 105.770, 131.170



50, 16.746, 169.782



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

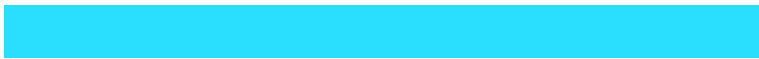
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89, 68.523, 161.281



89, 75.766, 157.644



82, 42.167, 220.870



52, 5.682, 171.790



69, 60.575, 158.071



23, 26.452, 161.195

Inverse Universe

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



56, 79.531, 9.322



54, 86.313, 17.717



58, 87.158, 40.436



50, 5.816, 353.452



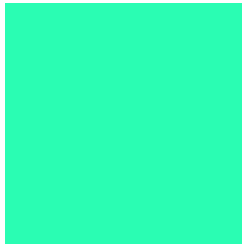
40, 69.237, 16.650



10, 31.310, 9.019

Previews

White Background



This preview shows how the CIE LCh color 89, 68.523, 161.282 looks on a white background.

Color Contrast Check

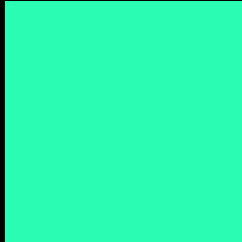
Large Text (above 18pt) WCAG AA × Fail

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, 68.523, 161.282 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, 68.523, 161.282

Background



This preview shows how black text looks on a background with the CIELCh color 89, 68.523, 161.282.

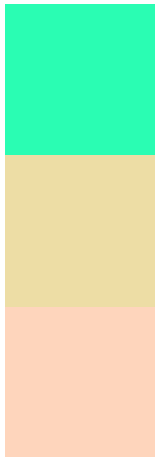


This preview shows how white text looks on a background with the CIELCh color 89, 68.523, 161.282.

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, 68.456, 161.250

Protanopia
88, 29.658, 95.390

Deuteranopia
88, 20.688, 58.843



Tritanopia
89, 32.335, 212.598

Trichromacy



Original Color
89, 68.456, 161.250



Protanomaly
87, 40.995, 144.046



Deuteranomaly
86, 29.265, 147.504

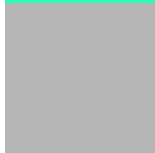


Tritanomaly
88, 43.057, 184.661

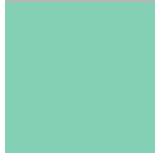
Monochromacy



Original Color
89, 68.456, 161.250



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 30.417, 168.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 68.523, 161.282 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(42, 253, 179)` looks like.

```
.text, #text, p{  
    color:rgb(42, 253, 179)  
}
```

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(42, 253, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 253, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 68.523, 161.282 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(42, 253, 179) }
```

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

```
.border{ border-color:rgb(42, 253, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 253, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 253, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 253, 179);  
box-shadow:4px 4px 4px 4px rgb(42, 253,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 68.523, 161.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 253, 179) }
```

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

```
.background{ background-color: rgb(42, 253,  
179) }
```

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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