

Converting Colors

CIELCh(80, 92.255, 179.114)

Have a look what the booklet for
CIELCh(80, 92.255, 179.114)
contains.

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Color

CIELCh(84, 57.974, 172.017)

Conversions

Conversions Part 1

Format	Color
Hex	00ECC0
RGB	0, 236, 192
RGB Percent	0%, 93%, 75%
CMY	1.0000, 0.0727, 0.2451
CMYK	1.00, 0.00, 0.19, 0.07
HSL	169°, 100%, 46%
HSV	169°, 100%, 93%
XYZ	39.6576, 64.0658, 60.4335
YIQ	160.4200, -126.5320, -63.7160

Conversions

Conversions Part 2

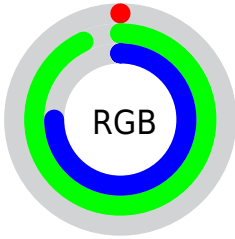
Format	Color
RYB	0, 130, 236
Decimal	60608
CIELab	84.00, -57.41, 8.05
CIELCh	84, 57.974, 172.017
Yxy	64.0658, 0.2416, 0.3903
Android (android.graphics.Color)	4278250688 (0xFF00ECC0)
YUV	160.4200, 15.5689, -140.6883
Hunter-Lab	80.0411, -51.6313, 11.2630

Details

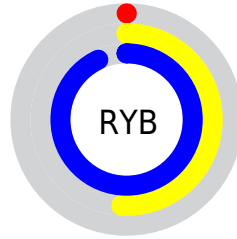
The CIELCh color **84, 57.974, 172.017** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **50, 89.344, 31.394**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 40.915, 191.765**, and **65, 49.091, 168.584** is the 20% darker color. If you saturate the color by 10%, you get **84, 57.896, 171.988**, and if you desaturate by 10%, it is **84, 55.836, 173.763**.

Distribution



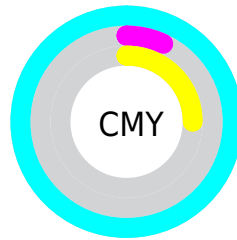
- Red (0%)
- Green (93%)
- Blue (75%)



- Red (0%)
- Yellow (51%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 57.974, 172.017 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 84, 57.974, 172.017 by changing the saturation by 10% instead.


 84, 57.974,
172.017

 84, 57.974,
172.017


 100, 57.974,
172.017


 74, 57.974,
172.017

 64, 57.974,
172.017

 54, 57.974,
172.017

 44, 57.974,
172.017

 34, 57.974,
172.017

 24, 57.974,
172.017

 14, 57.974,

172.017

■ 4, 57.974, 172.017

■ 0, 57.974, 172.017

■ 84, 57.974,
172.017

■ 84, 57.974,
172.017

■ 84, 57.896,
171.988

■ 84, 55.836,
173.763

■ 85, 53.004,
175.398

■ 85, 49.206,
176.872

■ 86, 44.414,
178.203

■ 87, 38.671,

179.414

■ 88, 32.079,
180.530

■ 89, 24.770,
181.570

■ 90, 16.891,
182.554

■ 92, 8.588, 183.511

Harmonies

Complementary

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



84, 57.974, 172.017



50, 89.344, 31.394

Rectangle

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



84, 57.974, 172.017



84, 57.974, 222.017



84, 57.974, 352.017



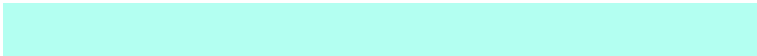
84, 57.974, 42.017

Sweetspot

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



84, 57.896, 171.988



95, 26.324, 181.557



82, 111.284, 134.797



50, 17.754, 181.125



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 57.896, 171.988



90, 61.358, 171.908



64, 46.599, 256.988



48, 4.851, 183.563



66, 47.208, 172.320



19, 19.540, 175.260

Inverse Universe

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



50, 89.344, 31.394



53, 94.806, 31.627



54, 89.822, 46.911



46, 5.045, 5.144



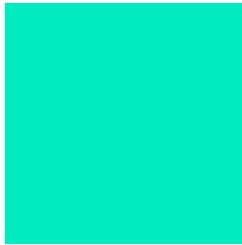
38, 72.472, 30.403



7, 27.934, 15.042

Previews

White Background



This preview shows how the CIELCh color 84, 57.974, 172.017 looks on a white background.

Color Contrast Check

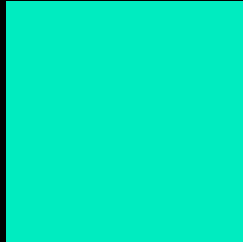
Large Text (above 18pt) WCAG AA × Fail

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 84, 57.974, 172.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

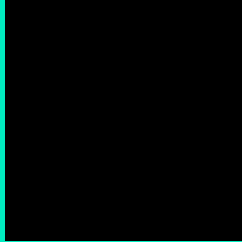
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 57.974, 172.017

Background



This preview shows how black text looks on a background with the CIELCh color 84, 57.974, 172.017.

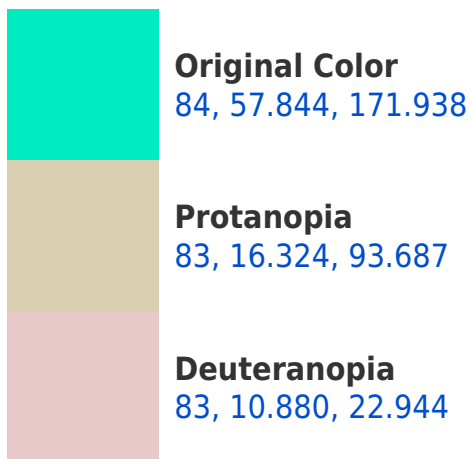


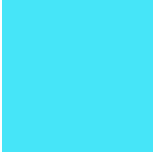
This preview shows how white text looks on a background with the CIELCh color 84, 57.974, 172.017.

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
84, 40.348, 211.508

Trichromacy



Original Color
84, 57.844, 171.938



Protanomaly
81, 33.330, 163.233



Deuteranomaly
81, 25.087, 176.419

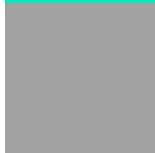


Tritanomaly
84, 45.277, 193.748

Monochromacy



Original Color
84, 57.844, 171.938



Achromatopsia
66, 0.008, 296.813



Achromatomaly
71, 29.921, 179.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 57.974, 172.017 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(0, 236, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 192)  
}
```

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(0, 236, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 57.974, 172.017 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(0, 236, 192) }
```

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

```
.border{ border-color:rgb(0, 236, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 57.974, 172.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 192) }
```

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

```
.background{ background-color: rgb(0, 236,  
192) }
```

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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