

Converting Colors

CIELCh(83, 55.364, 174.584)

Have a look what the booklet for
CIELCh(83, 55.364, 174.584)
contains.

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Color

CIELCh(83, 55.474, 174.447)

Conversions

Conversions Part 1

Format	Color
Hex	04E9C3
RGB	4, 233, 195
RGB Percent	2%, 91%, 76%
CMY	0.9835, 0.0868, 0.2358
CMYK	0.98, 0.00, 0.16, 0.09
HSL	170°, 96%, 46%
HSV	170°, 98%, 91%
XYZ	38.9890, 62.1629, 61.4977
YIQ	160.1970, -124.2860, -60.3660

Conversions

Conversions Part 2

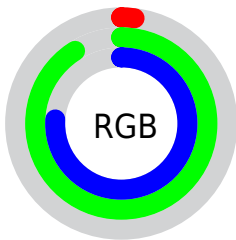
Format	Color
RYB	4, 129, 233
Decimal	321987
CIELab	83.00, -55.21, 5.37
CIElCh	83, 55.474, 174.447
Yxy	62.1629, 0.2397, 0.3822
Android (android.graphics.Color)	4278512067 (0xFF04E9C3)
YUV	160.1970, 17.1579, -136.9848
Hunter-Lab	78.8435, -49.7059, 8.9444

Details

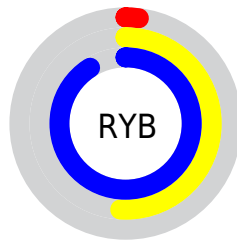
The CIELCh color **83, 55.474, 174.447** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **49, 88.331, 31.844**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.357, 194.713**, and **64, 46.967, 171.031** is the 20% darker color. If you saturate the color by 10%, you get **83, 55.789, 174.145**, and if you desaturate by 10%, it is **83, 53.530, 176.097**.

Distribution



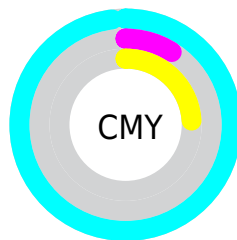
- Red (2%)
- Green (91%)
- Blue (76%)



- Red (2%)
- Yellow (51%)
- Blue (91%)



- Cyan (98%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)




- Cyan (98%)
- Magenta (9%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 55.474, 174.447 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 83, 55.474, 174.447 by changing the saturation by 10% instead.


 83, 55.474,
174.447


 83, 55.474,
174.447


 100, 55.474,
174.447

 73, 55.474,
174.447


 63, 55.474,
174.447

 53, 55.474,
174.447

 43, 55.474,
174.447

 33, 55.474,
174.447

 23, 55.474,
174.447

 13, 55.474,

174.447

■ 3, 55.474, 174.447

■ 0, 55.474, 174.447

■ 83, 55.474,
174.447

■ 83, 55.474,
174.447

■ 83, 55.789,
174.145

■ 83, 53.530,
176.097

■ 84, 50.745,
177.601

■ 84, 46.987,
178.959

■ 85, 42.243,
180.191

■ 86, 36.564,

181.322

■ 87, 30.054,
182.372

■ 88, 22.845,
183.360

■ 89, 15.082,
184.305

■ 91, 6.907, 185.242

Harmonies

Complementary

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



83, 55.474, 174.447



49, 88.331, 31.844

Rectangle

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



83, 55.474, 174.447



83, 55.474, 224.447



83, 55.474, 354.447



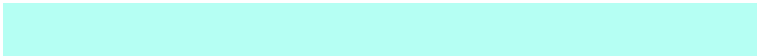
83, 55.474, 44.447

Sweetspot

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



83, 55.474, 174.446



95, 25.234, 183.268



81, 109.975, 135.095



50, 17.108, 182.849



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 55.474, 174.446



90, 59.817, 174.054



62, 48.217, 261.995



48, 4.811, 185.119



66, 46.051, 174.441



19, 19.140, 177.184

Inverse Universe

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



49, 88.331, 31.844



53, 96.086, 32.970



55, 85.931, 48.856



46, 5.014, 6.666



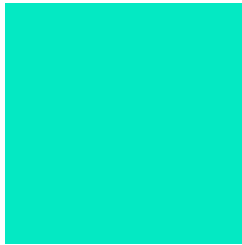
38, 73.430, 31.795



7, 27.975, 15.872

Previews

White Background



This preview shows how the CIELCh color 83, 55.474, 174.447 looks on a white background.

Color Contrast Check

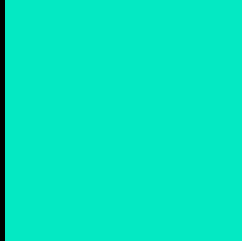
Large Text (above 18pt) WCAG AA × Fail

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 83, 55.474, 174.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

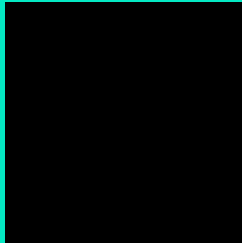
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 55.474, 174.447

Background



This preview shows how black text looks on a background with the CIELCh color 83, 55.474, 174.447.

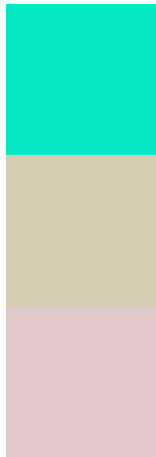


This preview shows how white text looks on a background with the CIELCh color 83, 55.474, 174.447.

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

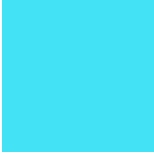
83, 55.498, 174.455

Protanopia

82, 13.213, 92.167

Deuteranopia

82, 10.264, 8.332

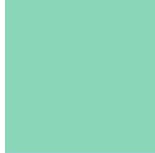


Tritanopia
83, 40.178, 210.797

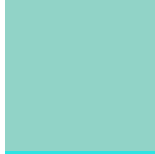
Trichromacy



Original Color
83, 55.498, 174.455



Protanomaly
80, 30.672, 166.974



Deuteranomaly
80, 23.423, 181.796



Tritanomaly
83, 44.392, 195.096

Monochromacy



Original Color
83, 55.498, 174.455



Achromatopsia
66, 0.008, 296.813



Achromatomaly
70, 28.491, 182.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 55.474, 174.447 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(4, 233, 195)` looks like.

```
.text, #text, p{  
    color:rgb(4, 233, 195)  
}
```

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(4, 233, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 233, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 55.474, 174.447 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(4, 233, 195) }
```

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

```
.border{ border-color:rgb(4, 233, 195) }
```

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

Here you see how a box with a 4 pixel rgb(4, 233, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 233, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 233, 195);  
box-shadow:4px 4px 4px 4px rgb(4, 233,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 55.474, 174.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 233, 195) }
```

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

```
.background{ background-color: rgb(4, 233,  
195) }
```

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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