

Converting Colors

CIELCh(79, 101.449, 186.717)

Have a look what the booklet for
CIELCh(79, 101.449, 186.717)
contains.

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Color

CIELCh(85, 51.750, 183.006)

Conversions

Conversions Part 1

Format	Color
Hex	05EED8
RGB	5, 238, 216
RGB Percent	2%, 93%, 85%
CMY	0.9796, 0.0675, 0.1539
CMYK	0.98, 0.00, 0.09, 0.07
HSL	174°, 96%, 48%
HSV	174°, 98%, 93%
XYZ	42.9426, 66.0070, 75.2832
YIQ	165.8250, -131.8060, -56.2380

Conversions

Conversions Part 2

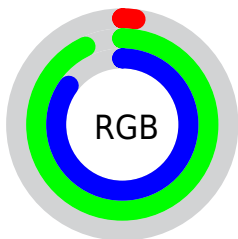
Format	Color
RYB	5, 127, 238
Decimal	388824
CIELab	85.00, -51.68, -2.71
CIELCh	85, 51.750, 183.006
Yxy	66.0070, 0.2331, 0.3583
Android (android.graphics.Color)	4278578904 (0xFF05EED8)
YUV	165.8250, 24.7363, -141.0435
Hunter-Lab	81.2447, -47.8305, 1.9318

Details

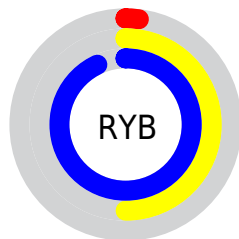
The CIELCh color **85, 51.750, 183.006** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **50, 93.783, 36.017**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **66, 43.060, 180.966** is the 20% darker color. If you saturate the color by 10%, you get **85, 51.992, 182.756**, and if you desaturate by 10%, it is **85, 50.392, 184.126**.

Distribution



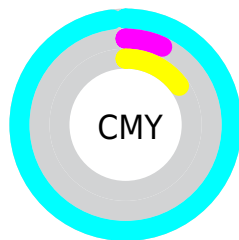
- Red (2%)
- Green (93%)
- Blue (85%)



- Red (2%)
- Yellow (50%)
- Blue (93%)



- Cyan (98%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)





- Cyan (98%)
- Magenta (7%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 51.750, 183.006 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 85, 51.750, 183.006 by changing the saturation by 10% instead.


 85, 51.750,
183.006


 85, 51.750,
183.006


 100, 51.750,
183.006


 75, 51.750,
183.006

 65, 51.750,
183.006

 55, 51.750,
183.006

 45, 51.750,
183.006

 35, 51.750,
183.006

 25, 51.750,
183.006

 15, 51.750,

183.006

■ 5, 51.750, 183.006

■ 0, 51.750, 183.006

■ 85, 51.750,
183.006

■ 85, 51.750,
183.006

■ 85, 51.992,
182.756

■ 85, 50.392,
184.126

■ 85, 48.150,
185.157

■ 86, 44.895,
186.107

■ 87, 40.605,
186.997

■ 87, 35.324,

187.843

■ 88, 29.144,
188.660

■ 90, 22.195,
189.459

■ 91, 14.617,
190.253

■ 93, 6.552, 191.074

Harmonies

Complementary

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



85, 51.750, 183.006



50, 93.783, 36.017

Rectangle

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



85, 51.750, 183.006



85, 51.750, 233.006



85, 51.750, 3.006



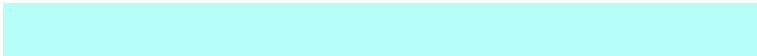
85, 51.750, 53.006

Sweetspot

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



85, 51.750, 183.005



95, 24.388, 189.356



83, 112.477, 135.646



50, 16.496, 189.015



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 51.750, 183.005



90, 54.837, 182.710



58, 55.560, 272.147



49, 4.779, 190.930



67, 42.755, 182.957



20, 18.399, 184.681

Inverse Universe

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



50, 93.783, 36.017



53, 100.493, 36.953



59, 83.990, 52.975



47, 5.022, 12.298



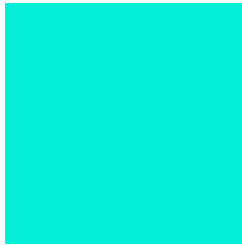
38, 77.708, 36.091



8, 29.372, 19.972

Previews

White Background



This preview shows how the CIE LCh color 85, 51.750, 183.006 looks on a white background.

Color Contrast Check

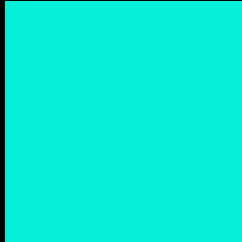
Large Text (above 18pt) WCAG AA × Fail

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 85, 51.750, 183.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

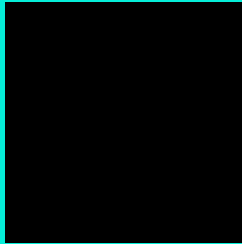
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 51.750, 183.006

Background



This preview shows how black text looks on a background with the CIELCh color 85, 51.750, 183.006.

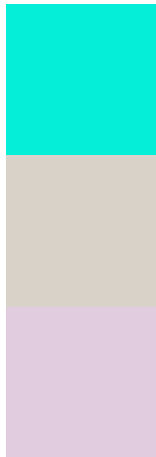


This preview shows how white text looks on a background with the CIELCh color 85, 51.750, 183.006.

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

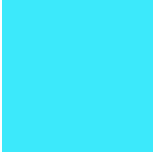
85, 51.776, 183.032

Protanopia

84, 5.837, 83.289

Deuteranopia

84, 12.583, 327.642

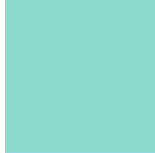


Tritanopia
85, 42.105, 210.010

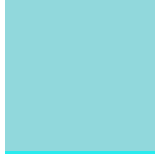
Trichromacy



Original Color
85, 51.776, 183.032



Protanomaly
82, 27.644, 181.833



Deuteranomaly
82, 22.939, 203.192

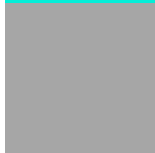


Tritanomaly
85, 45.157, 198.552

Monochromacy



Original Color
85, 51.776, 183.032



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 27.738, 188.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 51.750, 183.006 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(5, 238, 216)` looks like.

```
.text, #text, p{  
    color:rgb(5, 238, 216)  
}
```

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(5, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 238, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 51.750, 183.006 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(5, 238, 216) }
```

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

```
.border{ border-color:rgb(5, 238, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 238, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(5, 238,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 51.750, 183.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 238, 216) }
```

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

```
.background{ background-color: rgb(5, 238,  
216) }
```

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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