

Converting Colors

CIELCh(85, 53.118, 180.086)

Have a look what the booklet for
CIELCh(85, 53.118, 180.086)
contains.

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Color

CIELCh(85, 52.978, 180.309)

Conversions

Conversions Part 1

Format	Color
Hex	09EED3
RGB	9, 238, 211
RGB Percent	4%, 93%, 83%
CMY	0.9645, 0.0661, 0.1720
CMYK	0.96, 0.00, 0.11, 0.07
HSL	173°, 93%, 48%
HSV	173°, 96%, 93%
XYZ	42.5081, 66.0070, 72.2248
YIQ	166.4510, -127.8170, -56.9450

Conversions

Conversions Part 2

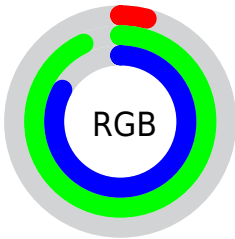
Format	Color
R_{YB}	9, 131, 238
Decimal	650963
CIE Lab	85.00, -52.98, -0.29
CIE LCh	85, 52.978, 180.309
Yxy	66.0070, 0.2352, 0.3652
Android (android.graphics.Color)	4278841043 (0xFF09EED3)
YUV	166.4510, 21.9627, -138.0845
Hunter-Lab	81.2447, -48.7851, 4.1638




Details

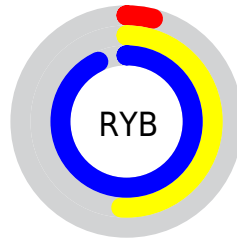
The CIELCh color **85, 52.978, 180.309** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **50, 91.507, 34.058**, and the grayscale version is **68, 0.008, 296.813**.




A 20% lighter version of the original color is **93, 39.445, 197.005**, and **66, 44.190, 178.275** is the 20% darker color. If you saturate the color by 10%, you get **85, 53.472, 179.798**, and if you desaturate by 10%, it is **85, 51.310, 181.611**.

Distribution







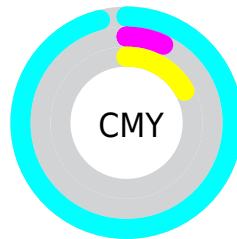
-  Red (4%)
-  Green (93%)
-  Blue (83%)






-  Red (4%)
-  Yellow (51%)
-  Blue (93%)



-  Cyan (96%)
-  Magenta (0%)
-  Yellow (11%)
-  Black (7%)





-  Cyan (96%)
-  Magenta (7%)
-  Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 52.978, 180.309 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, 52.978, 180.309 by changing the saturation by 10% instead.


 85, 52.978,
180.309


 85, 52.978,
180.309


 100, 52.978,
180.309


 75, 52.978,
180.309

 65, 52.978,
180.309

 55, 52.978,
180.309

 45, 52.978,
180.309

 35, 52.978,
180.309

 25, 52.978,
180.309

 15, 52.978,

180.309

■ 5, 52.978, 180.309

■ 0, 52.978, 180.309

■ 85, 52.978,
180.309

■ 85, 52.978,
180.309

■ 85, 53.472,
179.798

■ 85, 51.310,
181.611

■ 86, 48.719,
182.797

■ 86, 45.113,
183.882

■ 87, 40.482,
184.885

■ 88, 34.885,

185.826

■ 89, 28.426,
186.722

■ 90, 21.238,
187.587

■ 91, 13.467,
188.436

■ 93, 5.255, 189.319

Harmonies

Complementary

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



85, 52.978, 180.309



50, 91.507, 34.058

Rectangle

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



85, 52.978, 180.309



85, 52.978, 230.309



85, 52.978, 0.309



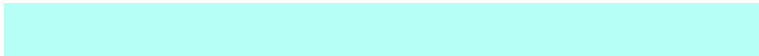
85, 52.978, 50.309

Sweetspot

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



85, 52.978, 180.308



95, 24.634, 187.338



83, 111.781, 135.369



50, 16.674, 186.968



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, 52.978, 180.308



90, 56.340, 179.744



61, 51.447, 266.450



49, 4.812, 189.015



67, 43.898, 180.037



20, 18.807, 182.085

Inverse Universe

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



50, 91.507, 34.058



53, 99.144, 35.824



58, 84.608, 51.163



47, 5.043, 10.453



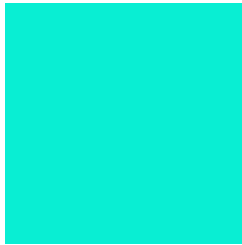
38, 76.618, 34.862



8, 29.277, 19.017

Previews

White Background



This preview shows how the CIE LCh color 85, 52.978, 180.309 looks on a white background.

Color Contrast Check

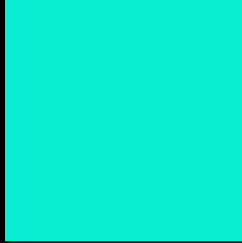
Large Text (above 18pt) WCAG AA × Fail

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, 52.978, 180.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

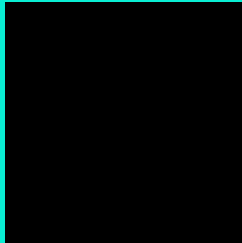
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 52.978, 180.309

Background



This preview shows how black text looks on a background with the CIELCh color 85, 52.978, 180.309.

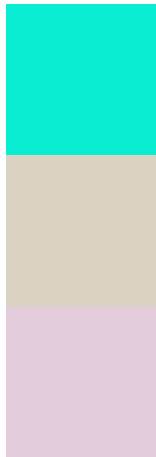


This preview shows how white text looks on a background with the CIELCh color 85, 52.978, 180.309.

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

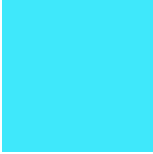
85, 52.954, 180.304

Protanopia

84, 8.406, 88.597

Deuteranopia

84, 11.510, 336.982

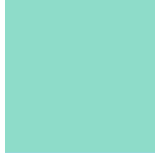


Tritanopia
85, 41.625, 210.964

Trichromacy



Original Color
85, 52.954, 180.304



Protanomaly
82, 28.254, 176.486



Deuteranomaly
82, 22.282, 197.860

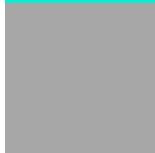


Tritanomaly
85, 44.781, 198.585

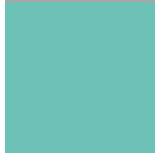
Monochromacy



Original Color
85, 52.954, 180.304



Achromatopsia
68, 0.008, 296.813



Achromatomaly
73, 27.844, 185.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 52.978, 180.309 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(9, 238, 211)` looks like.

```
.text, #text, p{  
    color:rgb(9, 238, 211)  
}
```

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(9, 238, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 238, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 52.978, 180.309 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(9, 238, 211) }
```

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

```
.border{ border-color:rgb(9, 238, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 238, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 238, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 238, 211);  
box-shadow:4px 4px 4px 4px rgb(9, 238,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 52.978, 180.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 238, 211) }
```

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

```
.background{ background-color: rgb(9, 238,  
211) }
```

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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