

Converting Colors

CIELCh(85, 55.819, 174.893)

Have a look what the booklet for
CIELCh(85, 55.819, 174.893)
contains.

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Color

CIELCh(85, 55.932, 174.773)

Conversions

Conversions Part 1

Format	Color
Hex	12EFC9
RGB	18, 239, 201
RGB Percent	7%, 94%, 79%
CMY	0.9312, 0.0631, 0.2122
CMYK	0.93, 0.00, 0.16, 0.06
HSL	170°, 87%, 50%
HSV	170°, 93%, 94%
XYZ	41.6067, 66.0070, 65.7442
YIQ	168.5890, -119.5180, -58.6700

Conversions

Conversions Part 2

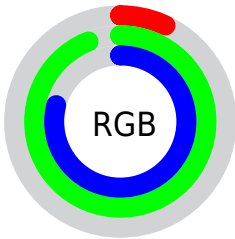
Format	Color
R _Y B	18, 139, 239
Decimal	1241033
CIE Lab	85.00, -55.70, 5.10
CIE LCh	85, 55.932, 174.773
Yxy	66.0070, 0.2400, 0.3808
Android (android.graphics.Color)	4279431113 (0xFF12EFC9)
YUV	168.5890, 15.9786, -132.0666
Hunter-Lab	81.2447, -50.7656, 8.8931

Details

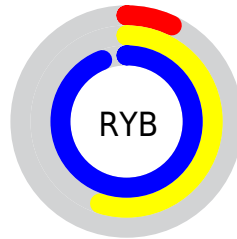
The CIELCh color **85, 55.932, 174.773** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **51, 86.317, 28.666**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **66, 47.780, 171.653** is the 20% darker color. If you saturate the color by 10%, you get **85, 57.292, 173.515**, and if you desaturate by 10%, it is **85, 53.461, 176.380**.

Distribution



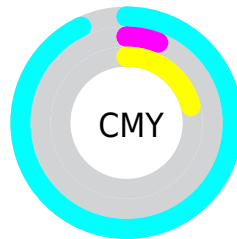
- Red (7%)
- Green (94%)
- Blue (79%)



- Red (7%)
- Yellow (55%)
- Blue (94%)



- Cyan (93%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)





- Cyan (93%)
- Magenta (6%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 55.932, 174.773 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, 55.932, 174.773 by changing the saturation by 10% instead.


 85, 55.932,
174.773


 85, 55.932,
174.773


 100, 55.932,
174.773


 75, 55.932,
174.773

 65, 55.932,
174.773

 55, 55.932,
174.773

 45, 55.932,
174.773

 35, 55.932,
174.773

 25, 55.932,
174.773

 15, 55.932,

174.773

■ 5, 55.932, 174.773

■ 0, 55.932, 174.773

■ 85, 55.932,
174.773

■ 85, 55.932,
174.773

■ 85, 57.292,
173.515

■ 85, 53.461,
176.380

■ 86, 50.035,
177.831

■ 86, 45.600,
179.143

■ 87, 40.180,
180.338

■ 88, 33.861,

181.439

■ 89, 26.769,
182.467

■ 91, 19.048,
183.440

■ 92, 10.847,
184.381

■ 94, 2.305, 185.463

Harmonies

Complementary

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



85, 55.932, 174.773



51, 86.317, 28.666

Rectangle

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



85, 55.932, 174.773



85, 55.932, 224.773



85, 55.932, 354.773



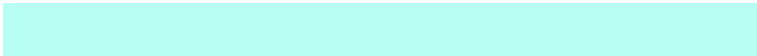
85, 55.932, 44.773

Sweetspot

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



85, 55.932, 174.772



95, 24.500, 182.916



83, 110.045, 134.719



50, 16.717, 182.490



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, 55.932, 174.772



90, 60.238, 173.449



65, 46.200, 256.321



49, 4.908, 184.683



67, 46.862, 173.824



20, 19.862, 176.483

Inverse Universe

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



51, 86.317, 28.666



53, 95.730, 32.607



57, 84.619, 48.804



47, 5.112, 6.244



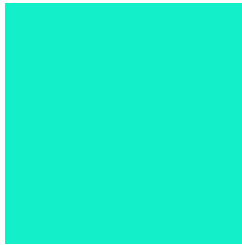
38, 73.967, 31.475



8, 29.088, 16.781

Previews

White Background



This preview shows how the CIELCh color 85, 55.932, 174.773 looks on a white background.

Color Contrast Check

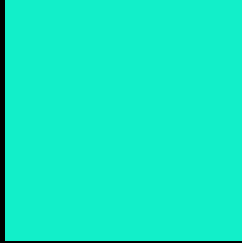
Large Text (above 18pt) WCAG AA × Fail

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, 55.932, 174.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

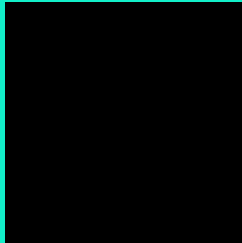
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 55.932, 174.773

Background



This preview shows how black text looks on a background with the CIELCh color 85, 55.932, 174.773.

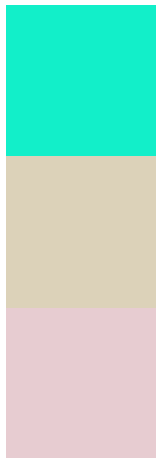


This preview shows how white text looks on a background with the CIELCh color 85, 55.932, 174.773.

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

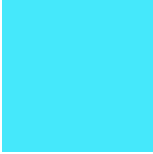
85, 55.932, 174.773

Protanopia

84, 13.645, 92.785

Deuteranopia

84, 10.310, 5.442

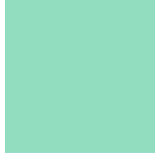


Tritanopia
85, 40.979, 211.226

Trichromacy



Original Color
85, 55.932, 174.773



Protanomaly
83, 30.596, 166.024



Deuteranomaly
82, 22.570, 182.778

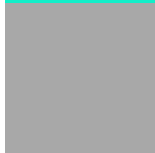


Tritanomaly
85, 45.047, 195.147

Monochromacy



Original Color
85, 55.932, 174.773



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 28.151, 181.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 55.932, 174.773 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(18, 239, 201)` looks like.

```
.text, #text, p{  
    color:rgb(18, 239, 201)  
}
```

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(18, 239, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 239, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 55.932, 174.773 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(18, 239, 201) }
```

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

```
.border{ border-color:rgb(18, 239, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 239, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 239, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 239, 201);  
box-shadow:4px 4px 4px 4px rgb(18, 239,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 55.932, 174.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 239, 201) }
```

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

```
.background{ background-color: rgb(18, 239,  
201) }
```

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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