

Converting Colors

CIELCh(85, 43.833, 191.096)

Have a look what the booklet for
CIELCh(85, 43.833, 191.096)
contains.

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Color

CIELCh(85, 43.869, 190.985)

Conversions

Conversions Part 1

Format	Color
Hex	45EBE3
RGB	69, 235, 227
RGB Percent	27%, 92%, 89%
CMY	0.7276, 0.0799, 0.1113
CMYK	0.70, 0.00, 0.03, 0.08
HSL	177°, 80%, 60%
HSV	177°, 70%, 92%
XYZ	45.9003, 66.0070, 82.7254
YIQ	184.4540, -96.3680, -37.6800

Conversions

Conversions Part 2

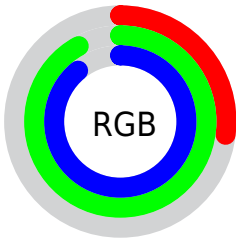
Format	Color
RYB	69, 154, 235
Decimal	4582371
CIELab	85.00, -43.07, -8.36
CIELCh	85, 43.869, 190.985
Yxy	66.0070, 0.2358, 0.3391
Android (android.graphics.Color)	4282772451 (0xFF45EBE3)
YUV	184.4540, 20.9752, -101.2532
Hunter-Lab	81.2447, -41.3322, -3.4993

Details

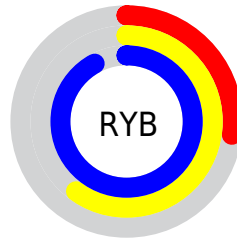
The CIELCh color **85, 43.869, 190.985** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **55, 71.384, 27.527**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **66, 39.302, 191.357** is the 20% darker color. If you saturate the color by 10%, you get **85, 46.509, 190.380**, and if you desaturate by 10%, it is **86, 40.192, 191.580**.

Distribution



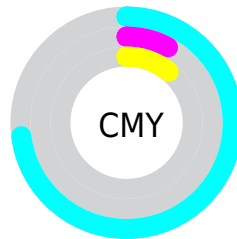
- Red (27%)
- Green (92%)
- Blue (89%)



- Red (27%)
- Yellow (60%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)




- Cyan (73%)
- Magenta (8%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 43.869, 190.985 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, 43.869, 190.985 by changing the saturation by 10% instead.


 85, 43.869,
190.985


 85, 43.869,
190.985


 100, 43.869,
190.985

 75, 43.869,
190.985

 65, 43.869,
190.985

 55, 43.869,
190.985

 45, 43.869,
190.985

 35, 43.869,
190.985

 25, 43.869,
190.985

 15, 43.869,

190.985

■ 5, 43.869, 190.985

■ 0, 43.869, 190.985

■ 85, 43.869,
190.985

■ 85, 43.869,
190.985

■ 85, 46.509,
190.380

■ 86, 40.192,
191.580

■ 84, 48.164,
189.754

■ 86, 35.498,
192.179

■ 84, 49.018,
189.127

■ 87, 29.859,
192.790

■ 88, 23.388,
193.418

■ 90, 16.216,

194.070

 91, 8.484, 194.760

 93, 0.325, 197.248

 95, 7.351, 15.472

 95, 7.409, 10.988

Harmonies

Complementary

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



85, 43.869, 190.985



55, 71.384, 27.527

Rectangle

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



85, 43.869, 190.985



85, 43.869, 240.985



85, 43.869, 10.985



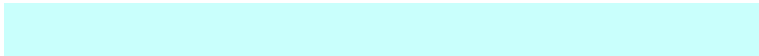
85, 43.869, 60.985

Sweetspot

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



85, 43.869, 190.984



96, 17.829, 194.023



83, 95.687, 137.320



51, 11.965, 193.840



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, 43.869, 190.984



91, 50.357, 190.134



64, 45.297, 266.002



48, 4.647, 194.828



67, 40.338, 189.242



19, 17.161, 190.250

Inverse Universe

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



55, 71.384, 27.527



55, 90.679, 32.992



68, 59.744, 61.739



46, 4.908, 16.020



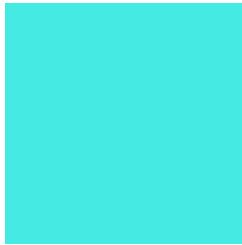
38, 78.775, 38.041



7, 28.334, 20.749

Previews

White Background



This preview shows how the CIE LCh color 85, 43.869, 190.985 looks on a white background.

Color Contrast Check

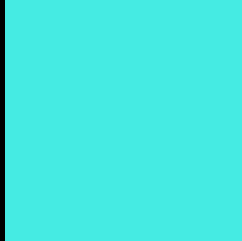
Large Text (above 18pt) WCAG AA × Fail

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, 43.869, 190.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

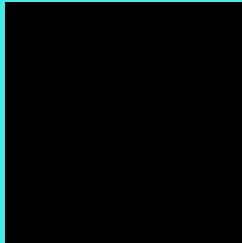
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 43.869, 190.985

Background



This preview shows how black text looks on a background with the CIELCh color 85, 43.869, 190.985.

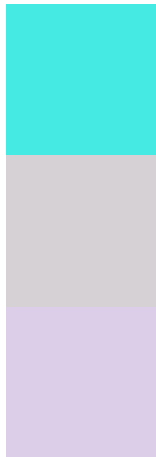


This preview shows how white text looks on a background with the CIELCh color 85, 43.869, 190.985.

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](#).

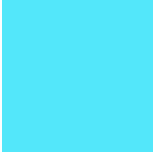
Dichromacy



Original Color
85, 43.995, 190.993

Protanopia
84, 2.423, 338.644

Deuteranopia
84, 15.749, 310.827



Tritanopia
85, 39.048, 212.064

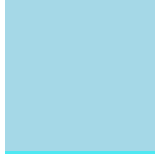
Trichromacy



Original Color
85, 43.995, 190.993



Protanomaly
83, 19.095, 196.493



Deuteranomaly
83, 18.168, 224.411

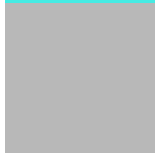


Tritanomaly
85, 40.135, 204.496

Monochromacy



Original Color
85, 43.995, 190.993



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 20.220, 194.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 43.869, 190.985 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(69, 235, 227)` looks like.

```
.text, #text, p{  
    color:rgb(69, 235, 227)  
}
```

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(69, 235, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 235, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 43.869, 190.985 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(69, 235, 227) }
```

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

```
.border{ border-color:rgb(69, 235, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 235, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 235, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 235, 227);  
box-shadow:4px 4px 4px 4px rgb(69, 235,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 43.869, 190.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 235, 227) }
```

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

```
.background{ background-color: rgb(69, 235,  
227) }
```

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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