

Converting Colors

CIELCh(85, 46.727, 178.989)

Have a look what the booklet for
CIELCh(85, 46.727, 178.989)
contains.

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Color

CIELCh(85, 46.994, 178.626)

Conversions

Conversions Part 1

Format	Color
Hex	4FEC D1
RGB	79, 236, 209
RGB Percent	31%, 93%, 82%
CMY	0.6920, 0.0759, 0.1818
CMYK	0.67, 0.00, 0.11, 0.08
HSL	170°, 80%, 62%
HSV	170°, 67%, 92%
XYZ	44.5396, 66.0070, 70.4842
YIQ	185.9790, -84.9050, -41.6810

Conversions

Conversions Part 2

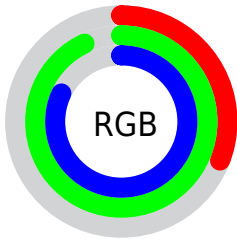
Format	Color
RYB	79, 165, 236
Decimal	5237969
CIELab	85.00, -46.98, 1.13
CIELCh	85, 46.994, 178.626
Yxy	66.0070, 0.2460, 0.3646
Android (android.graphics.Color)	4283428049 (0xFF4FECD1)
YUV	185.9790, 11.3494, -93.8206
Hunter-Lab	81.2447, -44.3218, 5.4340

Details

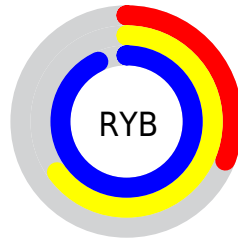
The CIELCh color **85, 46.994, 178.626** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **56, 64.847, 17.114**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.085, 197.384**, and **65, 43.899, 178.112** is the 20% darker color. If you saturate the color by 10%, you get **84, 50.985, 177.261**, and if you desaturate by 10%, it is **86, 42.012, 179.863**.

Distribution



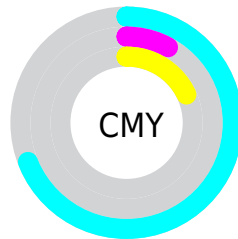
- Red (31%)
- Green (93%)
- Blue (82%)



- Red (31%)
- Yellow (65%)
- Blue (93%)



- Cyan (67%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)



- Cyan (69%)
- Magenta (8%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 46.994, 178.626 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, 46.994, 178.626 by changing the saturation by 10% instead.


 85, 46.994,
178.626


 85, 46.994,
178.626

 100, 46.994,
178.626


 75, 46.994,
178.626

 65, 46.994,
178.626

 55, 46.994,
178.626

 45, 46.994,
178.626

 35, 46.994,
178.626

 25, 46.994,
178.626

 15, 46.994,

178.626

■ 5, 46.994, 178.626

■ 0, 46.994, 178.626

■ 85, 46.994,
178.626

■ 85, 46.994,
178.626

■ 84, 50.985,
177.261

■ 86, 42.012,
179.863

■ 84, 53.990,
175.749

■ 87, 36.103,
180.998

■ 84, 56.102,
174.081

■ 88, 29.376,
182.053

■ 84, 56.701,
173.513

■ 89, 21.970,
183.045

■ 90, 14.032,

183.995

 92, 5.704, 184.949

 94, 2.886, 5.503

 95, 7.459, 358.102

 95, 8.436, 344.903

Harmonies

Complementary

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



85, 46.994, 178.626



56, 64.847, 17.114

Rectangle

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



85, 46.994, 178.626



85, 46.994, 228.626



85, 46.994, 358.626



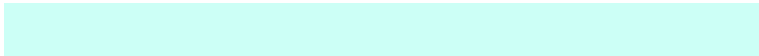
85, 46.994, 48.626

Sweetspot

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



85, 46.994, 178.625



96, 17.829, 183.674



84, 89.331, 135.186



51, 12.090, 183.406



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, 46.994, 178.625



91, 55.415, 176.724



71, 37.210, 245.329



48, 4.822, 184.673



66, 46.376, 173.827



19, 19.252, 176.629

Inverse Universe

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



56, 64.847, 17.114



56, 81.291, 22.534



65, 58.199, 50.209



46, 5.023, 6.231



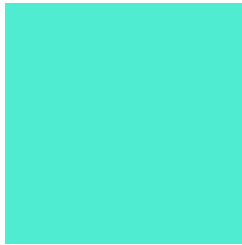
38, 73.155, 31.408



7, 27.963, 15.636

Previews

White Background



This preview shows how the CIE LCh color 85, 46.994, 178.626 looks on a white background.

Color Contrast Check

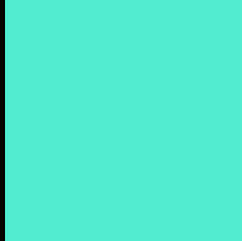
Large Text (above 18pt) WCAG AA × Fail

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, 46.994, 178.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

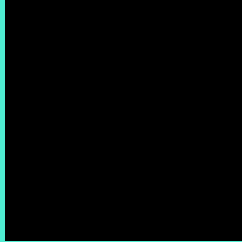
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

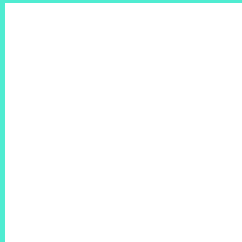
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 46.994, 178.626

Background



This preview shows how black text looks on a background with the CIELCh color 85, 46.994, 178.626.

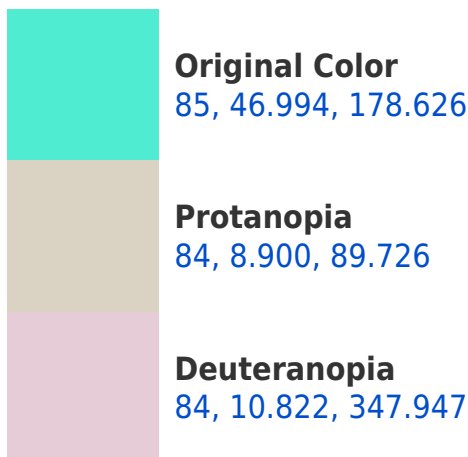


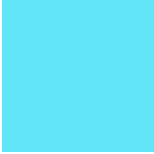
This preview shows how white text looks on a background with the CIELCh color 85, 46.994, 178.626.

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



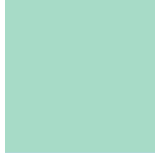


Tritanopia
85, 36.758, 213.159

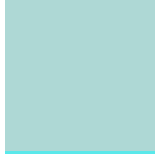
Trichromacy



Original Color
85, 46.994, 178.626



Protanomaly
83, 21.265, 168.115



Deuteranomaly
83, 14.592, 192.133

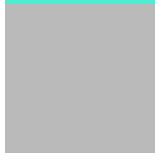


Tritanomaly
85, 38.988, 198.439

Monochromacy



Original Color
85, 46.994, 178.626



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 20.462, 182.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 46.994, 178.626 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(79, 236, 209)` looks like.

```
.text, #text, p{  
    color:rgb(79, 236, 209)  
}
```

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(79, 236, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 236, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 46.994, 178.626 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(79, 236, 209) }
```

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

```
.border{ border-color:rgb(79, 236, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 236, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 236, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 236, 209);  
box-shadow:4px 4px 4px 4px rgb(79, 236,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 46.994, 178.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 236, 209) }
```

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

```
.background{ background-color: rgb(79, 236,  
209) }
```

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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