

Converting Colors

CIELCh(85, 43.889, 187.325)

Have a look what the booklet for
CIELCh(85, 43.889, 187.325)
contains.

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Color

CIELCh(85, 44.061, 186.807)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4DEBDD |
| RGB | 77, 235, 221 |
| RGB Percent | 30%, 92%, 87% |
| CMY | 0.6996, 0.0796, 0.1345 |
| CMYK | 0.67, 0.00, 0.06, 0.08 |
| HSL | 175°, 80%, 61% |
| HSV | 175°, 67%, 92% |
| XYZ | 45.6602, 66.0070, 78.5324 |
| YIQ | 186.1620, -89.6740, -37.8500 |

Conversions

Conversions Part 2

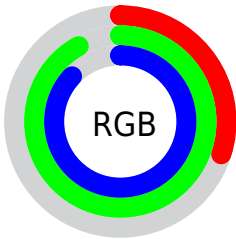
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 77, 160, 235 |
| Decimal | 5106653 |
| CIELab | 85.00, -43.75, -5.22 |
| CIELCh | 85, 44.061, 186.807 |
| Yxy | 66.0070, 0.2401, 0.3470 |
| Android (android.graphics.Color) | 4283296733 (0xFF4DEBDD) |
| YUV | 186.1620, 17.1751, -95.7351 |
| Hunter-Lab | 81.2447, -41.8597, -0.4393 |

Details

The CIELCh color **85, 44.061, 186.807** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **56, 67.037, 23.623**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.320, 197.370**, and **65, 40.579, 186.608** is the 20% darker color. If you saturate the color by 10%, you get **85, 47.287, 185.901**, and if you desaturate by 10%, it is **86, 39.809, 187.657**.

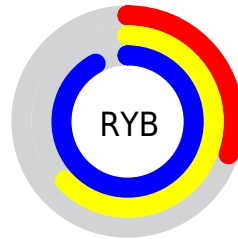
Distribution



Red (30%)

Green (92%)

Blue (87%)



Red (30%)

Yellow (63%)

Blue (92%)

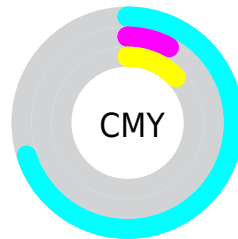


Cyan (67%)

Magenta (0%)

Yellow (6%)

Black (8%)



Cyan (70%)

Magenta (8%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 44.061, 186.807 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, 44.061, 186.807 by changing the saturation by 10% instead.

 85, 44.061,
186.807


 85, 44.061,
186.807

 100, 44.061,
186.807


 75, 44.061,
186.807

 65, 44.061,
186.807

 55, 44.061,
186.807

 45, 44.061,
186.807

 35, 44.061,
186.807

 25, 44.061,
186.807

 15, 44.061,

186.807

■ 5, 44.061, 186.807

■ 0, 44.061, 186.807

■ 85, 44.061,
186.807

■ 85, 44.061,
186.807

■ 85, 47.287,
185.901

■ 86, 39.809,
187.657

■ 84, 49.508,
184.926

■ 86, 34.577,
188.470

■ 84, 50.840,
183.866

■ 87, 28.459,
189.261

■ 84, 51.120,
183.581

■ 89, 21.580,
190.039

■ 90, 14.080,

190.816

■ 92, 6.101, 191.629

■ 93, 2.229, 12.008

■ 95, 7.414, 9.393

■ 95, 7.665, 1.545

Harmonies

Complementary

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



85, 44.061, 186.807



56, 67.037, 23.623

Rectangle

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



85, 44.061, 186.807



85, 44.061, 236.807



85, 44.061, 6.807



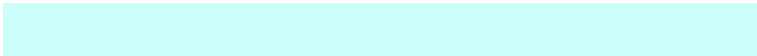
85, 44.061, 56.807

Sweetspot

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



85, 44.061, 186.806



97, 17.230, 190.604



83, 91.641, 136.762



51, 11.664, 190.384



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, 44.061, 186.806



91, 51.422, 185.520



67, 40.740, 258.193



48, 4.688, 191.448



66, 42.022, 183.775



19, 17.748, 185.490

Inverse Universe

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



56, 67.037, 23.623



56, 85.696, 29.106



67, 57.278, 57.506



46, 4.929, 12.791



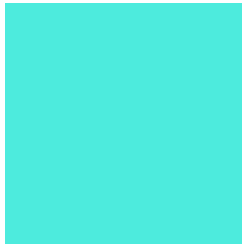
38, 77.142, 36.349



7, 28.190, 19.101

Previews

White Background



This preview shows how the CIE LCh color 85, 44.061, 186.807 looks on a white background.

Color Contrast Check

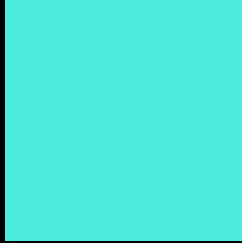
Large Text (above 18pt) WCAG AA × Fail

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, 44.061, 186.807 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, 44.061, 186.807

Background



This preview shows how black text looks on a background with the CIELCh color 85, 44.061, 186.807.

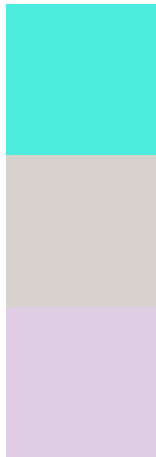


This preview shows how white text looks on a background with the CIELCh color 85, 44.061, 186.807.

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](#).

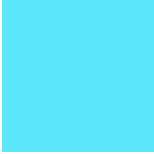
Dichromacy



Original Color
85, 44.061, 186.807

Protanopia
84, 2.768, 68.547

Deuteranopia
84, 13.307, 319.770

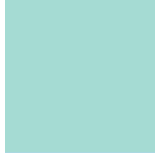


Tritanopia
85, 37.703, 212.695

Trichromacy



Original Color
85, 44.061, 186.807



Protanomaly
84, 19.014, 185.187



Deuteranomaly
83, 15.908, 215.905

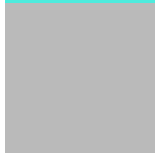


Tritanomaly
85, 39.178, 202.360

Monochromacy



Original Color
85, 44.061, 186.807



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 19.942, 190.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 44.061, 186.807 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(77, 235, 221)` looks like.

```
.text, #text, p{  
    color:rgb(77, 235, 221)  
}
```

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(77, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 235, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 44.061, 186.807 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(77, 235, 221) }
```

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

```
.border{ border-color:rgb(77, 235, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 235, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(77, 235,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 44.061, 186.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 235, 221) }
```

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

```
.background{ background-color: rgb(77, 235,  
221) }
```

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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