

Converting Colors

CIELCh(85, 40.291, 213.304)

Have a look what the booklet for
CIELCh(85, 40.291, 213.304)
contains.

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Color

CIELCh(85, 40.409, 213.057)

Conversions

Conversions Part 1

Format	Color
Hex	49E8FD
RGB	73, 232, 253
RGB Percent	29%, 91%, 99%
CMY	0.7119, 0.0916, 0.0093
CMYK	0.71, 0.08, 0.00, 0.01
HSL	187°, 97%, 64%
HSV	187°, 71%, 99%
XYZ	49.2051, 66.0070, 102.7623
YIQ	186.8530, -101.5050, -27.1770

Conversions

Conversions Part 2

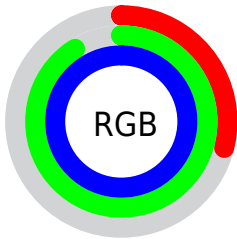
Format	Color
RYB	73, 157, 253
Decimal	4843773
CIELab	85.00, -33.87, -22.04
CIELCh	85, 40.409, 213.057
Yxy	66.0070, 0.2257, 0.3028
Android (android.graphics.Color)	4283033853 (0xFF49E8FD)
YUV	186.8530, 32.6105, -99.8491
Hunter-Lab	81.2447, -34.0714, -18.1216

Details

The CIELCh color **85, 40.409, 213.057** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **61, 73.549, 36.539**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.320, 197.370**, and **66, 36.547, 214.688** is the 20% darker color. If you saturate the color by 10%, you get **84, 42.431, 214.448**, and if you desaturate by 10%, it is **86, 37.339, 212.009**.

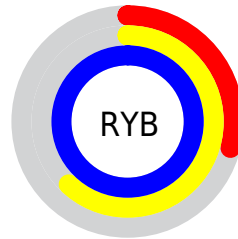
Distribution



Red (29%)

Green (91%)

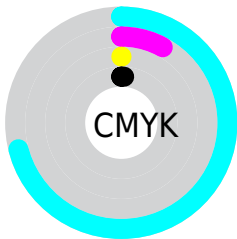
Blue (99%)



Red (29%)

Yellow (62%)

Blue (99%)

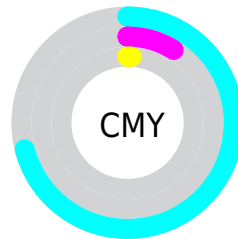


Cyan (71%)

Magenta (8%)

Yellow (0%)

Black (1%)



Cyan (71%)


Magenta (9%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 40.409, 213.057 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, 40.409, 213.057 by changing the saturation by 10% instead.


 85, 40.409,
213.057


 85, 40.409,
213.057


 100, 40.409,
213.057


 75, 40.409,
213.057

 65, 40.409,
213.057

 55, 40.409,
213.057

 45, 40.409,
213.057

 35, 40.409,
213.057

 25, 40.409,
213.057

 15, 40.409,

213.057

■ 5, 40.409, 213.057

■ 0, 40.409, 213.057

■ 85, 40.409,
213.057

■ 85, 40.409,
213.057

■ 84, 42.431,
214.448

■ 86, 37.339,
212.009

■ 83, 43.472,
216.231

■ 88, 33.237,
211.256

■ 82, 43.759,
218.174

■ 90, 28.177,
210.751

■ 92, 22.268,
210.450

■ 94, 15.636,

210.317

■ 96, 8.413, 210.339

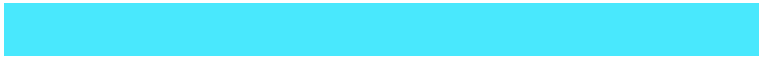
■ 99, 0.723, 211.262

100, 1.193,
110.024

Harmonies

Complementary

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



85, 40.409, 213.057



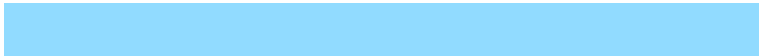
61, 73.549, 36.539

Rectangle

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



85, 40.409, 213.057



85, 40.409, 263.057



85, 40.409, 33.057



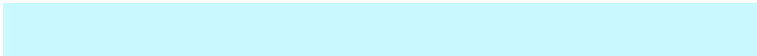
85, 40.409, 83.057

Sweetspot

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



85, 40.408, 213.056



95, 15.814, 210.318



88, 96.428, 140.616



50, 10.601, 210.340



0, 0.000, 0.000



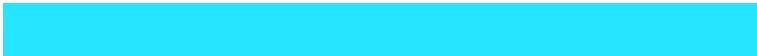
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 40.408, 213.056



84, 43.279, 215.135



60, 63.019, 283.118



52, 4.433, 210.357



63, 35.535, 217.762



21, 16.498, 214.868

Inverse Universe

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



63, 93.296, 331.998



60, 102.453, 332.783



79, 65.139, 76.868



50, 8.356, 328.335



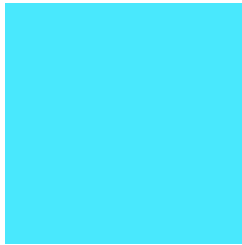
44, 84.894, 333.539



12, 39.488, 332.827

Previews

White Background



This preview shows how the CIE LCh color 85, 40.409, 213.057 looks on a white background.

Color Contrast Check

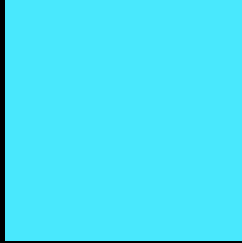
Large Text (above 18pt) WCAG AA × Fail

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, 40.409, 213.057 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, 40.409, 213.057

Background



This preview shows how black text looks on a background with the CIELCh color 85, 40.409, 213.057.

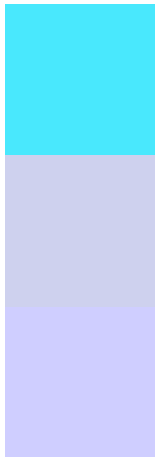


This preview shows how white text looks on a background with the CIELCh color 85, 40.409, 213.057.

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](#).

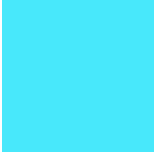
Dichromacy



Original Color
85, 40.528, 213.002

Protanopia
84, 15.303, 287.654

Deuteranopia
84, 25.873, 293.082



Tritanopia
85, 40.633, 211.370

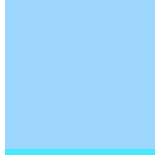
Trichromacy



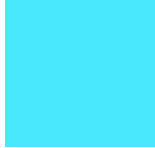
Original Color
85, 40.528, 213.002



Protanomaly
84, 22.563, 236.136



Deuteranomaly
83, 26.346, 250.488

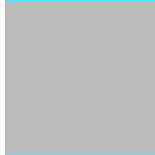


Tritanomaly
85, 40.518, 212.211

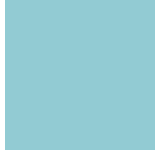
Monochromacy



Original Color
85, 40.528, 213.002



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 19.119, 211.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 40.409, 213.057 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(73, 232, 253)` looks like.

```
.text, #text, p{  
    color:rgb(73, 232, 253)  
}
```

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(73, 232, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 232, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 40.409, 213.057 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(73, 232, 253) }
```

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

```
.border{ border-color:rgb(73, 232, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 232, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 232, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 232, 253);  
box-shadow:4px 4px 4px 4px rgb(73, 232,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 40.409, 213.057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 232, 253) }
```

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

```
.background{ background-color: rgb(73, 232,  
253) }
```

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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