

Converting Colors

CIELCh(85, 40.303, 208.659)

Have a look what the booklet for
CIELCh(85, 40.303, 208.659)
contains.

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Color

CIELCh(85, 40.319, 208.344)

Conversions

Conversions Part 1

Format	Color
Hex	4BE8F7
RGB	75, 232, 247
RGB Percent	29%, 91%, 97%
CMY	0.7052, 0.0897, 0.0309
CMYK	0.70, 0.06, 0.00, 0.03
HSL	185°, 92%, 63%
HSV	185°, 70%, 97%
XYZ	48.6128, 66.0070, 98.2722
YIQ	186.7670, -98.3870, -28.6190

Conversions

Conversions Part 2

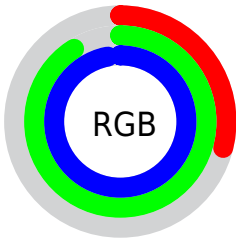
Format	Color
RYB	75, 157, 247
Decimal	4974839
CIELab	85.00, -35.49, -19.14
CIELCh	85, 40.319, 208.344
Yxy	66.0070, 0.2283, 0.3100
Android (android.graphics.Color)	4283164919 (0xFF4BE8F7)
YUV	186.7670, 29.6949, -98.0197
Hunter-Lab	81.2447, -35.3727, -14.8448

Details

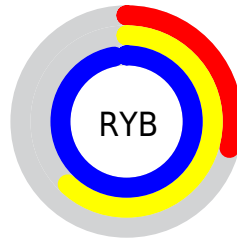
The CIELCh color **85, 40.319, 208.344** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **60, 71.870, 34.633**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.085, 197.384**, and **66, 36.580, 210.006** is the 20% darker color. If you saturate the color by 10%, you get **84, 42.484, 209.245**, and if you desaturate by 10%, it is **86, 37.096, 207.696**.

Distribution



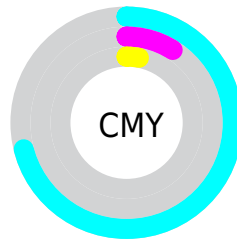
- Red (29%)
- Green (91%)
- Blue (97%)



- Red (29%)
- Yellow (62%)
- Blue (97%)



- Cyan (70%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (71%)
- Magenta (9%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 40.319, 208.344 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, 40.319, 208.344 by changing the saturation by 10% instead.

 85, 40.319,
208.344


 85, 40.319,
208.344


 100, 40.319,
208.344


 75, 40.319,
208.344

 65, 40.319,
208.344

 55, 40.319,
208.344

 45, 40.319,
208.344

 35, 40.319,
208.344

 25, 40.319,
208.344

 15, 40.319,

208.344

■ 5, 40.319, 208.344

■ 0, 40.319, 208.344

■ 85, 40.319,
208.344

■ 85, 40.319,
208.344

■ 84, 42.484,
209.245

■ 86, 37.096,
207.696

■ 83, 43.639,
210.434

■ 88, 32.840,
207.271

■ 82, 43.975,
211.903

■ 89, 27.630,
207.035

■ 82, 43.983,
211.968

■ 91, 21.577,
206.957

■ 93, 14.811,

207.014

■ 95, 7.465, 207.203

■ 97, 0.337, 25.407

■ 98, 2.279, 49.271

■ 99, 2.531, 80.969

Harmonies

Complementary

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



85, 40.319, 208.344



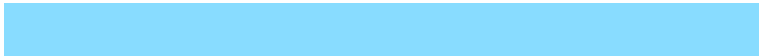
60, 71.870, 34.633

Rectangle

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



85, 40.319, 208.344



85, 40.319, 258.344



85, 40.319, 28.344



85, 40.319, 78.344

Sweetspot

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



85, 40.318, 208.343



95, 16.217, 206.998



86, 95.333, 139.969



50, 10.871, 206.975



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, 40.318, 208.343



86, 44.040, 209.634



61, 57.557, 279.823



50, 4.397, 207.206



64, 35.603, 211.666



20, 16.002, 209.436

Inverse Universe

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



62, 92.466, 330.776



61, 103.802, 331.397



77, 62.211, 74.112



48, 8.251, 327.412



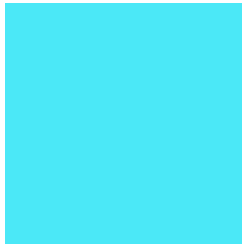
43, 85.191, 332.042



10, 38.221, 331.496

Previews

White Background



This preview shows how the CIE LCh color 85, 40.319, 208.344 looks on a white background.

Color Contrast Check

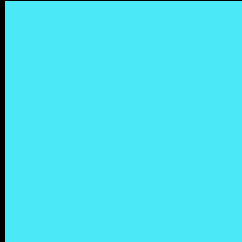
Large Text (above 18pt) WCAG AA × Fail

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, 40.319, 208.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

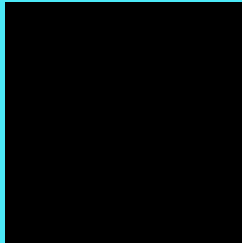
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 40.319, 208.344

Background



This preview shows how black text looks on a background with the CIELCh color 85, 40.319, 208.344.

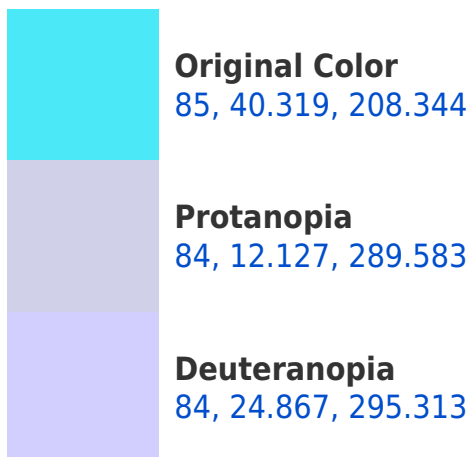


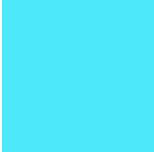
This preview shows how white text looks on a background with the CIELCh color 85, 40.319, 208.344.

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



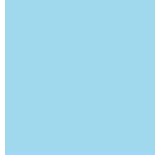


Tritanopia
85, 40.021, 210.830

Trichromacy



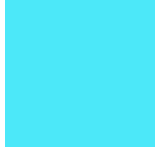
Original Color
85, 40.319, 208.344



Protanomaly
84, 20.667, 229.284



Deuteranomaly
84, 24.741, 249.249

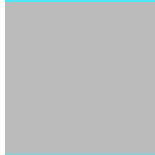


Tritanomaly
85, 40.155, 209.981

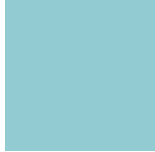
Monochromacy



Original Color
85, 40.319, 208.344



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 19.040, 207.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 40.319, 208.344 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(75, 232, 247)` looks like.

```
.text, #text, p{  
    color:rgb(75, 232, 247)  
}
```

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(75, 232, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 232, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 40.319, 208.344 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(75, 232, 247) }
```

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

```
.border{ border-color:rgb(75, 232, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 232, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 232, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 232, 247);  
box-shadow:4px 4px 4px 4px rgb(75, 232,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 40.319, 208.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 232, 247) }
```

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

```
.background{ background-color: rgb(75, 232,  
247) }
```

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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