

Converting Colors

CIELCh(85, 31.698, 196.071)

Have a look what the booklet for
CIELCh(85, 31.698, 196.071)
contains.

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Color

CIELCh(85, 31.694, 196.340)

Conversions

Conversions Part 1

Format	Color
Hex	7DE5E4
RGB	125, 229, 228
RGB Percent	49%, 90%, 89%
CMY	0.5097, 0.1019, 0.1058
CMYK	0.45, 0.00, 0.00, 0.10
HSL	179°, 67%, 69%
HSV	179°, 45%, 90%
XYZ	50.4861, 66.0070, 83.4857
YIQ	197.7900, -61.6630, -22.3590

Conversions

Conversions Part 2

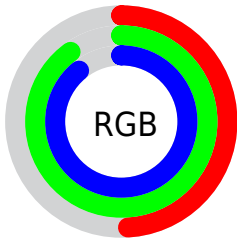
Format	Color
RYB	125, 177, 229
Decimal	8250852
CIELab	85.00, -30.41, -8.92
CIELCh	85, 31.694, 196.340
Yxy	66.0070, 0.2525, 0.3301
Android (android.graphics.Color)	4286440932 (0xFF7DE5E4)
YUV	197.7900, 14.8935, -63.8368
Hunter-Lab	81.2447, -31.2570, -4.0541

Details

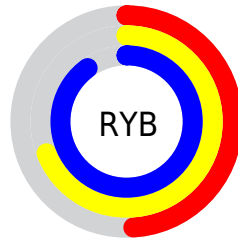
The CIELCh color **85, 31.694, 196.340** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **64, 43.784, 23.580**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.133, 197.991**, and **65, 31.669, 196.834** is the 20% darker color. If you saturate the color by 10%, you get **84, 36.588, 195.964**, and if you desaturate by 10%, it is **86, 25.903, 196.766**.

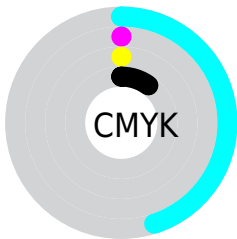
Distribution



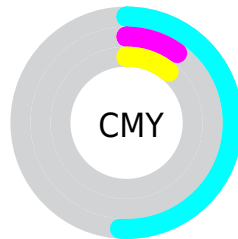
- Red (49%)
- Green (90%)
- Blue (89%)



- Red (49%)
- Yellow (69%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (51%)
- Magenta (10%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 31.694, 196.340 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, 31.694, 196.340 by changing the saturation by 10% instead.


 85, 31.694,
196.340


 85, 31.694,
196.340


 100, 31.694,
196.340


 75, 31.694,
196.340

 65, 31.694,
196.340

 55, 31.694,
196.340

 45, 31.694,
196.340

 35, 31.694,
196.340

 25, 31.694,
196.340

 15, 31.694,

196.340

■ 5, 31.694, 196.340

■ 0, 31.694, 196.340

■ 85, 31.694,
196.340

■ 85, 31.694,
196.340

■ 84, 36.588,
195.964

■ 86, 25.903,
196.766

■ 84, 40.499,
195.644

■ 87, 19.330,
197.248

■ 83, 43.390,
195.376

■ 89, 12.104,
197.784

■ 83, 45.282,
195.156

■ 90, 4.361, 198.429

■ 83, 46.271,

■ 92, 3.776, 18.713

194.973

93, 9.440, 18.998

83, 46.535,
194.897

93, 9.439, 18.311

93, 9.440, 17.625

93, 9.443, 16.939

Harmonies

Complementary

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



85, 31.694, 196.340



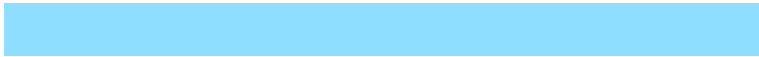
64, 43.784, 23.580

Rectangle

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



85, 31.694, 196.340



85, 31.694, 246.340



85, 31.694, 16.340



85, 31.694, 66.340

Sweetspot

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



85, 31.694, 196.338



98, 12.042, 197.860



83, 65.244, 140.483



52, 8.262, 197.737



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, 31.694, 196.338



93, 39.156, 196.002



71, 30.999, 261.829



47, 4.540, 198.141



66, 38.617, 194.921



18, 16.187, 195.146

Inverse Universe

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



64, 43.784, 23.580



66, 58.186, 25.471



75, 35.885, 68.030



45, 4.816, 19.155



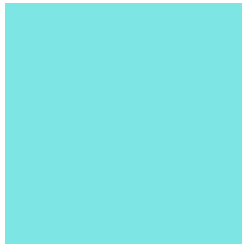
37, 79.552, 39.577



6, 27.072, 21.362

Previews

White Background



This preview shows how the CIE LCh color 85, 31.694, 196.340 looks on a white background.

Color Contrast Check

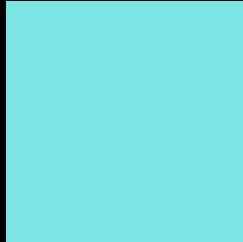
Large Text (above 18pt) WCAG AA × Fail

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, 31.694, 196.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

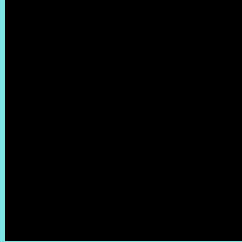
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 31.694, 196.340

Background



This preview shows how black text looks on a background with the CIELCh color 85, 31.694, 196.340.

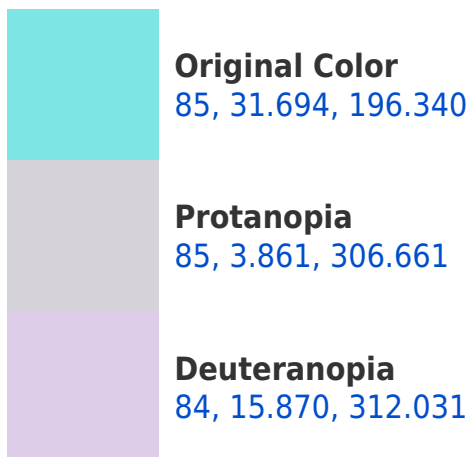


This preview shows how white text looks on a background with the CIELCh color 85, 31.694, 196.340.

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



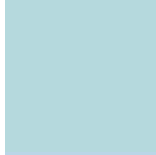


Tritanopia
85, 29.643, 217.570

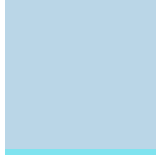
Trichromacy



Original Color
85, 31.694, 196.340



Protanomaly
84, 12.433, 208.409



Deuteranomaly
84, 12.816, 243.508

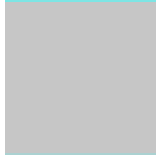


Tritanomaly
85, 29.954, 209.817

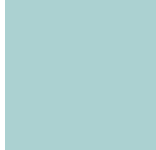
Monochromacy



Original Color
85, 31.694, 196.340



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 13.136, 198.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 31.694, 196.340 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(125, 229, 228)` looks like.

```
.text, #text, p{  
    color:rgb(125, 229, 228)  
}
```

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(125, 229, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 229, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 31.694, 196.340 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(125, 229, 228) }
```

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

```
.border{ border-color:rgb(125, 229, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 229, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 229, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 229, 228);  
box-shadow:4px 4px 4px 4px rgb(125, 229,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 31.694, 196.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 229, 228) }
```

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

```
.background{ background-color: rgb(125,  
229, 228) }
```

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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