

Converting Colors

CIELCh(85, 31.354, 191.875)

Have a look what the booklet for
CIELCh(85, 31.354, 191.875)
contains.

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Color

CIELCh(85, 31.350, 191.473)

Conversions

Conversions Part 1

Format	Color
Hex	81E5DF
RGB	129, 229, 223
RGB Percent	51%, 90%, 87%
CMY	0.4942, 0.1021, 0.1256
CMYK	0.44, 0.00, 0.03, 0.10
HSL	176°, 66%, 70%
HSV	176°, 44%, 90%
XYZ	50.3703, 66.0070, 79.8710
YIQ	198.4160, -57.6740, -23.0660

Conversions

Conversions Part 2

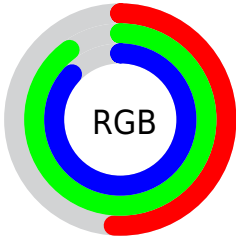
Format	Color
RYB	129, 181, 229
Decimal	8512991
CIELab	85.00, -30.72, -6.24
CIELCh	85, 31.350, 191.473
Yxy	66.0070, 0.2567, 0.3363
Android (android.graphics.Color)	4286703071 (0xFF81E5DF)
YUV	198.4160, 12.1199, -60.8778
Hunter-Lab	81.2447, -31.5114, -1.4162

Details

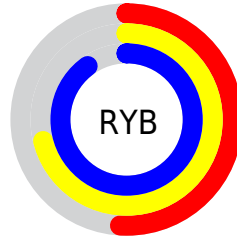
The CIELCh color **85, 31.350, 191.473** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 41.395, 19.537**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **65, 31.311, 191.686** is the 20% darker color. If you saturate the color by 10%, you get **84, 36.653, 190.805**, and if you desaturate by 10%, it is **86, 25.202, 192.142**.

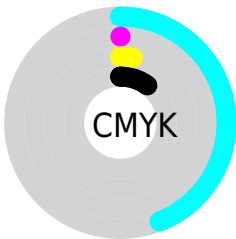
Distribution



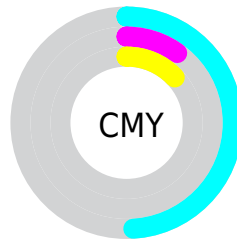
- Red (51%)
- Green (90%)
- Blue (87%)



- Red (51%)
- Yellow (71%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 31.350, 191.473 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, 31.350, 191.473 by changing the saturation by 10% instead.


 85, 31.350,
191.473


 85, 31.350,
191.473


 100, 31.350,
191.473


 75, 31.350,
191.473

 65, 31.350,
191.473

 55, 31.350,
191.473

 45, 31.350,
191.473

 35, 31.350,
191.473

 25, 31.350,
191.473

 15, 31.350,

191.473

■ 5, 31.350, 191.473

■ 0, 31.350, 191.473

■ 85, 31.350,
191.473

■ 85, 31.350,
191.473

■ 84, 36.653,
190.805

■ 86, 25.202,
192.142

■ 83, 41.010,
190.135

■ 87, 18.335,
192.825

■ 83, 44.362,
189.452

■ 89, 10.886,
193.531

■ 83, 46.709,
188.740

■ 90, 2.987, 194.369

■ 82, 48.122,

■ 92, 5.236, 14.751

187.985

93, 9.501, 13.057

82, 48.674,
187.488

93, 9.595, 8.870

93, 9.741, 4.788

93, 9.935, 0.848

Harmonies

Complementary

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



85, 31.350, 191.473



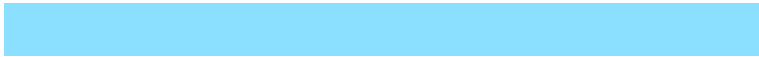
65, 41.395, 19.537

Rectangle

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



85, 31.350, 191.473



85, 31.350, 241.473



85, 31.350, 11.473



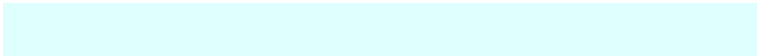
85, 31.350, 61.473

Sweetspot

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



85, 31.350, 191.471



98, 11.310, 193.574



83, 61.959, 139.568



52, 7.871, 193.414



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, 31.350, 191.471



93, 39.035, 190.896



73, 28.340, 255.308



47, 4.574, 193.846



66, 40.364, 187.623



18, 16.787, 188.915

Inverse Universe

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



65, 41.395, 19.537



67, 54.875, 21.366



75, 34.005, 63.077



45, 4.825, 15.081



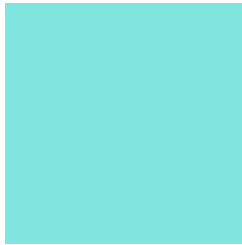
37, 77.474, 37.559



6, 26.918, 19.281

Previews

White Background



This preview shows how the CIE LCh color 85, 31.350, 191.473 looks on a white background.

Color Contrast Check

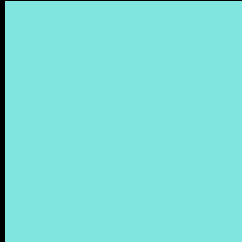
Large Text (above 18pt) WCAG AA × Fail

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, 31.350, 191.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

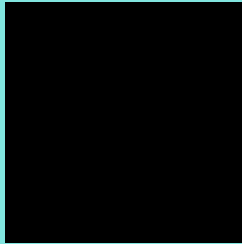
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 31.350, 191.473

Background



This preview shows how black text looks on a background with the CIELCh color 85, 31.350, 191.473.

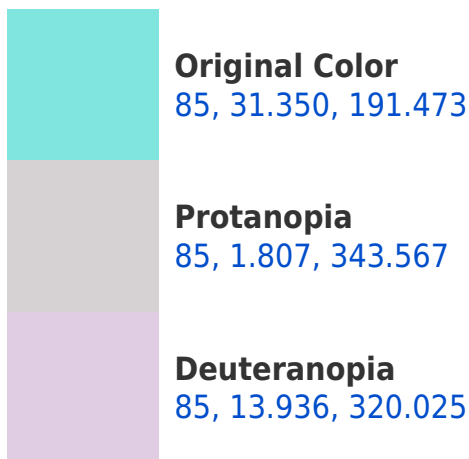


This preview shows how white text looks on a background with the CIELCh color 85, 31.350, 191.473.

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, 28.451, 217.351

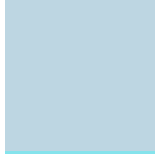
Trichromacy



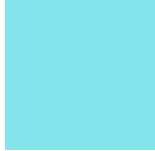
Original Color
85, 31.350, 191.473



Protanomaly
84, 11.808, 196.043



Deuteranomaly
84, 10.495, 236.151

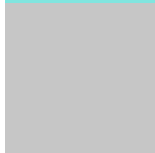


Tritanomaly
85, 28.775, 207.126

Monochromacy



Original Color
85, 31.350, 191.473



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 12.608, 193.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 31.350, 191.473 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(129, 229, 223)` looks like.

```
.text, #text, p{  
    color:rgb(129, 229, 223)  
}
```

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(129, 229, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 229, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 31.350, 191.473 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(129, 229, 223) }
```

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

```
.border{ border-color:rgb(129, 229, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 229, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 229, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 229, 223);  
box-shadow:4px 4px 4px 4px rgb(129, 229,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 31.350, 191.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 229, 223) }
```

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

```
.background{ background-color: rgb(129,  
229, 223) }
```

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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