

Converting Colors

CIELCh(85, 31.239, 183.610)

Have a look what the booklet for
CIELCh(85, 31.239, 183.610)
contains.

CIELCh(85, 31.230, 183.561)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 31.230, 183.561)

Conversions

Conversions Part 1

Format	Color
Hex	87E5D7
RGB	135, 229, 215
RGB Percent	53%, 90%, 84%
CMY	0.4711, 0.1025, 0.1574
CMYK	0.41, 0.00, 0.06, 0.10
HSL	171°, 64%, 71%
HSV	171°, 41%, 90%
XYZ	50.2039, 66.0070, 74.2990
YIQ	199.2980, -51.5300, -24.2820

Conversions

Conversions Part 2

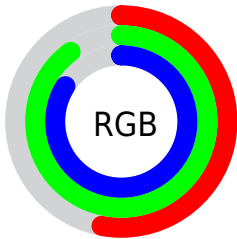
Format	Color
RYB	135, 186, 229
Decimal	8906199
CIELab	85.00, -31.17, -1.94
CIELCh	85, 31.230, 183.561
Yxy	66.0070, 0.2635, 0.3465
Android (android.graphics.Color)	4287096279 (0xFF87E5D7)
YUV	199.2980, 7.7411, -56.3893
Hunter-Lab	81.2447, -31.8770, 2.6501

Details

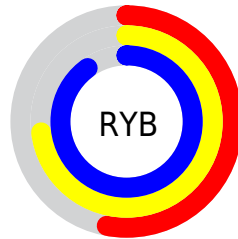
The CIELCh color **85, 31.230, 183.561** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **67, 38.389, 12.313**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **65, 31.275, 183.345** is the 20% darker color. If you saturate the color by 10%, you get **84, 37.309, 182.540**, and if you desaturate by 10%, it is **86, 24.411, 184.521**.

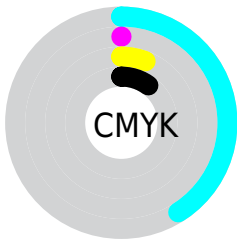
Distribution



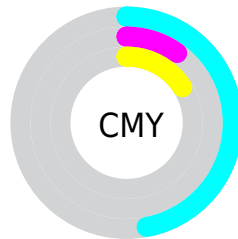
- Red (53%)
- Green (90%)
- Blue (84%)



- Red (53%)
- Yellow (73%)
- Blue (90%)



- Cyan (41%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)





- Cyan (47%)
- Magenta (10%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 31.230, 183.561 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, 31.230, 183.561 by changing the saturation by 10% instead.


 85, 31.230,
183.561


 85, 31.230,
183.561


 100, 31.230,
183.561


 75, 31.230,
183.561

 65, 31.230,
183.561

 55, 31.230,
183.561

 45, 31.230,
183.561

 35, 31.230,
183.561

 25, 31.230,
183.561

 15, 31.230,

183.561

■ 5, 31.230, 183.561

■ 0, 31.230, 183.561

■ 85, 31.230,
183.561

■ 85, 31.230,
183.561

■ 84, 37.309,
182.540

■ 86, 24.411,
184.521

■ 83, 42.523,
181.446

■ 87, 16.988,
185.442

■ 83, 46.787,
180.256

■ 89, 9.104, 186.347

■ 82, 50.069,
178.947

■ 91, 0.890, 187.781

■ 93, 7.537, 7.875

■ 82, 52.407,

177.502

93, 9.981, 0.671

82, 53.875,
176.112

93, 10.661,
351.730

93, 11.573,
344.046

93, 12.668,
337.607

Harmonies

Complementary

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



85, 31.230, 183.561



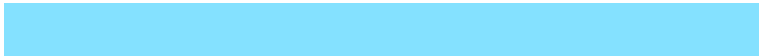
67, 38.389, 12.313

Rectangle

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



85, 31.230, 183.561



85, 31.230, 233.561



85, 31.230, 3.561



85, 31.230, 53.561

Sweetspot

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



85, 31.231, 183.559



98, 10.754, 186.256



84, 56.938, 137.791



52, 7.116, 186.137



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, 31.231, 183.559



93, 39.378, 182.726



76, 25.173, 243.479



47, 4.694, 186.496



65, 44.601, 176.389



18, 18.207, 179.081

Inverse Universe

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



67, 38.389, 12.313



69, 50.671, 13.992



74, 31.721, 54.529



45, 4.901, 8.003



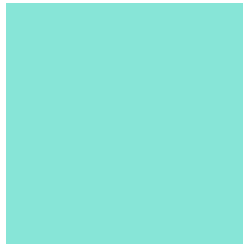
37, 73.454, 32.881



7, 26.729, 15.565

Previews

White Background



This preview shows how the CIE LCh color 85, 31.230, 183.561 looks on a white background.

Color Contrast Check

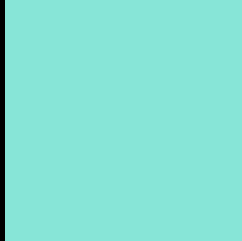
Large Text (above 18pt) WCAG AA × Fail

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, 31.230, 183.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

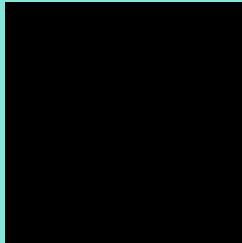
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

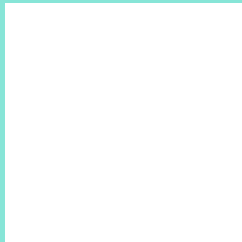
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 31.230, 183.561

Background



This preview shows how black text looks on a background with the CIELCh color 85, 31.230, 183.561.

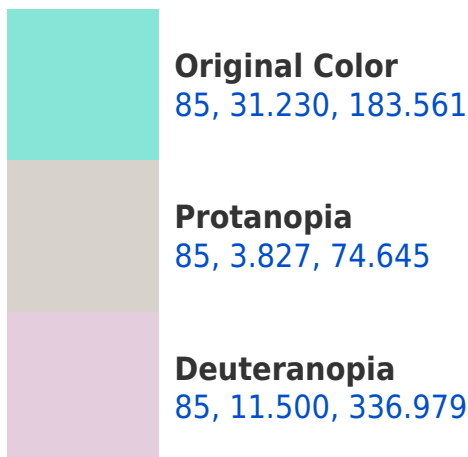



This preview shows how white text looks on a background with the CIELCh color 85, 31.230, 183.561.

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, 26.610, 218.886

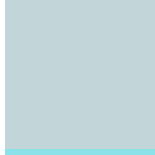
Trichromacy



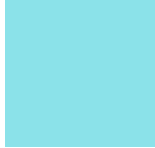
Original Color
85, 31.230, 183.561



Protanomaly
84, 12.031, 175.338



Deuteranomaly
84, 7.265, 215.915

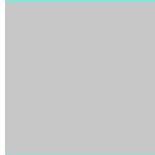


Tritanomaly
85, 27.077, 205.539

Monochromacy



Original Color
85, 31.230, 183.561



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 12.292, 186.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 31.230, 183.561 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(135, 229, 215)` looks like.

```
.text, #text, p{  
    color:rgb(135, 229, 215)  
}
```

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(135, 229, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 229, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 31.230, 183.561 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(135, 229, 215) }
```

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

```
.border{ border-color:rgb(135, 229, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 229, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 229, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 229, 215);  
box-shadow:4px 4px 4px 4px rgb(135, 229,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 31.230, 183.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 229, 215) }
```

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

```
.background{ background-color: rgb(135,  
229, 215) }
```

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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