

Converting Colors

CIELCh(85, 31.535, 198.804)

Have a look what the booklet for
CIELCh(85, 31.535, 198.804)
contains.

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Color

CIELCh(85, 31.505, 198.290)

Conversions

Conversions Part 1

Format	Color
Hex	7DE5E6
RGB	125, 229, 230
RGB Percent	49%, 90%, 90%
CMY	0.5104, 0.1025, 0.0986
CMYK	0.46, 0.00, 0.00, 0.10
HSL	181°, 68%, 70%
HSV	181°, 46%, 90%
XYZ	50.6735, 66.0070, 84.8205
YIQ	198.0180, -62.3050, -21.7370

Conversions

Conversions Part 2

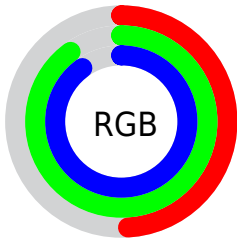
Format	Color
RYB	125, 177, 230
Decimal	8250854
CIELab	85.00, -29.91, -9.89
CIElCh	85, 31.505, 198.290
Yxy	66.0070, 0.2515, 0.3276
Android (android.graphics.Color)	4286440934 (0xFF7DE5E6)
YUV	198.0180, 15.7671, -64.0368
Hunter-Lab	81.2447, -30.8453, -5.0282

Details

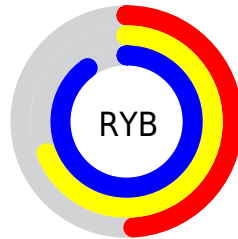
The CIELCh color **85, 31.505, 198.290** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **64, 43.993, 24.938**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.133, 197.991**, and **65, 31.438, 198.919** is the 20% darker color. If you saturate the color by 10%, you get **84, 36.286, 198.039**, and if you desaturate by 10%, it is **86, 25.820, 198.612**.

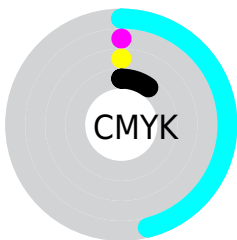
Distribution



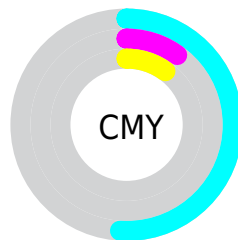
- Red (49%)
- Green (90%)
- Blue (90%)



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



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 31.505, 198.290 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, 31.505, 198.290 by changing the saturation by 10% instead.


 85, 31.505,
198.290


 85, 31.505,
198.290


 100, 31.505,
198.290


 75, 31.505,
198.290

 65, 31.505,
198.290

 55, 31.505,
198.290

 45, 31.505,
198.290

 35, 31.505,
198.290

 25, 31.505,
198.290

 15, 31.505,

198.290

■ 5, 31.505, 198.290

■ 0, 31.505, 198.290

■ 85, 31.505,
198.290

■ 85, 31.505,
198.290

■ 84, 36.286,
198.039

■ 86, 25.820,
198.612

■ 83, 40.080,
197.869

■ 87, 19.345,
199.005

■ 83, 42.850,
197.781

■ 89, 12.208,
199.467

■ 83, 44.621,
197.775

■ 90, 4.542, 200.043

■ 82, 45.491,

■ 92, 3.528, 20.265

197.844

93, 9.015, 20.980

82, 45.697,
197.888

93, 8.938, 21.698

93, 8.863, 22.429

93, 8.789, 23.172

Harmonies

Complementary

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



85, 31.505, 198.290



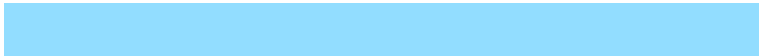
64, 43.993, 24.938

Rectangle

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



85, 31.505, 198.290



85, 31.505, 248.290



85, 31.505, 18.290



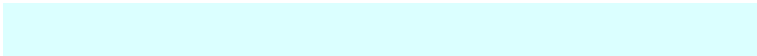
85, 31.505, 68.290

Sweetspot

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



85, 31.505, 198.288



97, 11.912, 199.548



83, 66.116, 140.796



52, 8.171, 199.439



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, 31.505, 198.288



92, 39.078, 198.047



71, 31.883, 263.798



47, 4.493, 199.799



65, 37.830, 197.863



18, 15.908, 197.633

Inverse Universe

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



67, 65.452, 327.127



70, 83.759, 327.556



76, 36.409, 69.678



45, 8.253, 325.195



42, 87.775, 328.612



8, 36.876, 328.553

Previews

White Background



This preview shows how the CIE LCh color 85, 31.505, 198.290 looks on a white background.

Color Contrast Check

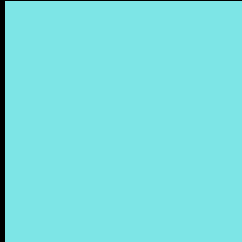
Large Text (above 18pt) WCAG AA × Fail

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, 31.505, 198.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

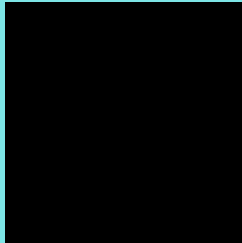
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 31.505, 198.290

Background



This preview shows how black text looks on a background with the CIELCh color 85, 31.505, 198.290.




This preview shows how white text looks on a background with the CIELCh color 85, 31.505, 198.290.

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, 29.785, 216.352

Trichromacy



Original Color
85, 31.505, 198.290



Protanomaly
84, 12.492, 210.845



Deuteranomaly
84, 13.520, 246.987

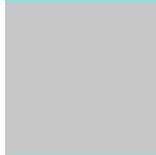


Tritanomaly
85, 30.175, 208.665

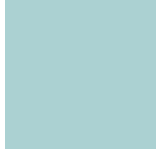
Monochromacy



Original Color
85, 31.505, 198.290



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 13.104, 200.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 31.505, 198.290 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(125, 229, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 229, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 31.505, 198.290 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, 230) }
```

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

```
.border{ border-color:rgb(125, 229, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 229, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 229, 230); box-shadow:4px 4px 4px 4px rgb(125, 229, 230) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 31.505, 198.290 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, 230) }
```

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

```
.background{ background-color: rgb(125,  
229, 230) }
```

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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