

Converting Colors

CIELCh(85, 30.773, 197.588)

Have a look what the booklet for
CIELCh(85, 30.773, 197.588)
contains.

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Color

CIELCh(85, 30.891, 197.358)

Conversions

Conversions Part 1

Format	Color
Hex	80E5E5
RGB	128, 229, 229
RGB Percent	50%, 90%, 90%
CMY	0.4996, 0.1035, 0.1035
CMYK	0.44, 0.00, 0.00, 0.10
HSL	180°, 66%, 70%
HSV	180°, 44%, 90%
XYZ	50.8346, 66.0070, 83.8960
YIQ	198.8010, -60.1960, -21.4120

Conversions

Conversions Part 2

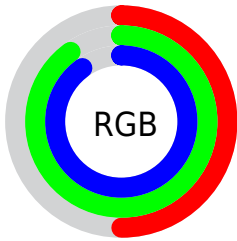
Format	Color
R _Y B	128, 179, 229
Decimal	8447461
CIE Lab	85.00, -29.48, -9.22
CIE LCh	85, 30.891, 197.358
Yxy	66.0070, 0.2532, 0.3288
Android (android.graphics.Color)	4286637541 (0xFF80E5E5)
YUV	198.8010, 14.8881, -62.0925
Hunter-Lab	81.2447, -30.4913, -4.3535

Details

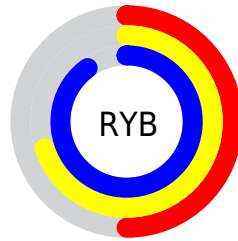
The CIELCh color **85, 30.891, 197.358** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 42.498, 24.052**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **65, 30.846, 197.951** is the 20% darker color. If you saturate the color by 10%, you get **84, 35.852, 197.035**, and if you desaturate by 10%, it is **86, 25.041, 197.741**.

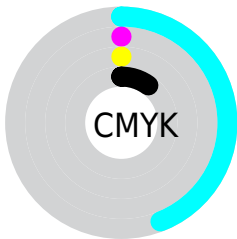
Distribution



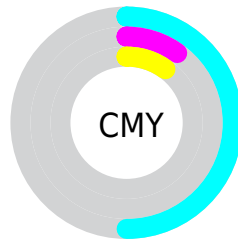
- Red (50%)
- Green (90%)
- Blue (90%)



- Red (50%)
- Yellow (70%)
- Blue (90%)



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





- Cyan (50%)
- Magenta (10%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 30.891, 197.358 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, 30.891, 197.358 by changing the saturation by 10% instead.


 85, 30.891,
197.358


 85, 30.891,
197.358


 100, 30.891,
197.358


 75, 30.891,
197.358

 65, 30.891,
197.358

 55, 30.891,
197.358

 45, 30.891,
197.358

 35, 30.891,
197.358

 25, 30.891,
197.358

 15, 30.891,

197.358

■ 5, 30.891, 197.358

■ 0, 30.891, 197.358

■ 85, 30.891,
197.358

■ 85, 30.891,
197.358

■ 84, 35.852,
197.035

■ 86, 25.041,
197.741

■ 84, 39.838,
196.781

■ 87, 18.417,
198.187

■ 83, 42.805,
196.594

■ 89, 11.151,
198.697

■ 83, 44.770,
196.472

■ 90, 3.374, 199.354

■ 83, 45.820,

■ 92, 4.789, 19.611

196.406

93, 9.600, 20.012

83, 46.141,
196.386

93, 9.600, 20.012

93, 9.600, 20.012

93, 9.600, 20.012

Harmonies

Complementary

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



85, 30.891, 197.358



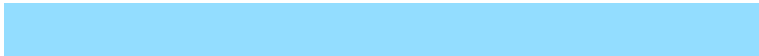
65, 42.498, 24.052

Rectangle

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



85, 30.891, 197.358



85, 30.891, 247.358



85, 30.891, 17.358



85, 30.891, 67.358

Sweetspot

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



85, 30.891, 197.356



98, 11.202, 198.758



83, 63.806, 140.956



52, 7.789, 198.636



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, 30.891, 197.356



93, 38.515, 197.060



71, 30.742, 263.403



47, 4.537, 198.969



66, 38.346, 196.386



18, 16.092, 196.386

Inverse Universe

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



68, 63.597, 326.784



71, 81.692, 327.191



76, 34.940, 69.872



45, 8.306, 324.941



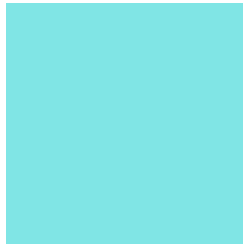
42, 88.428, 328.233



9, 37.108, 328.233

Previews

White Background



This preview shows how the CIE LCh color 85, 30.891, 197.358 looks on a white background.

Color Contrast Check

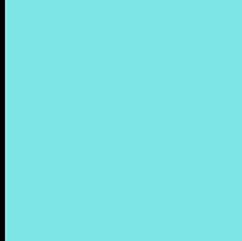
Large Text (above 18pt) WCAG AA × Fail

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, 30.891, 197.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

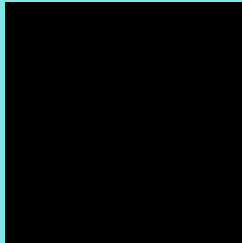
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 30.891, 197.358

Background



This preview shows how black text looks on a background with the CIELCh color 85, 30.891, 197.358.

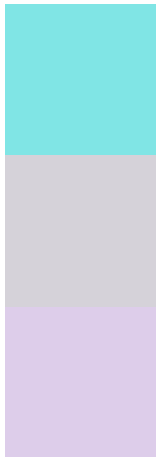


This preview shows how white text looks on a background with the CIELCh color 85, 30.891, 197.358.

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



Original Color
85, 30.891, 197.358

Protanopia
85, 3.861, 306.661

Deuteranopia
84, 16.362, 311.387



Tritanopia
85, 29.121, 216.844

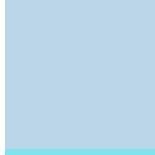
Trichromacy



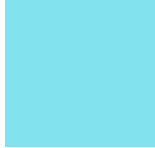
Original Color
85, 30.891, 197.358



Protanomaly
84, 12.113, 208.692



Deuteranomaly
84, 12.941, 246.334

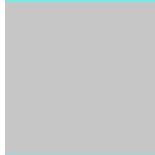


Tritanomaly
85, 29.485, 208.975

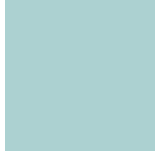
Monochromacy



Original Color
85, 30.891, 197.358



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 12.810, 198.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 30.891, 197.358 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(128, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 229)  
}
```

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(128, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 30.891, 197.358 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(128, 229, 229) }
```

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

```
.border{ border-color:rgb(128, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 30.891, 197.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 229) }
```

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

```
.background{ background-color: rgb(128,  
229, 229) }
```

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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