

Converting Colors

CIELCh(85, 30.605, 190.279)

Have a look what the booklet for
CIELCh(85, 30.605, 190.279)
contains.

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Color

CIELCh(85, 30.759, 190.405)

Conversions

Conversions Part 1

Format	Color
Hex	84E5DE
RGB	132, 229, 222
RGB Percent	52%, 90%, 87%
CMY	0.4835, 0.1032, 0.1306
CMYK	0.42, 0.00, 0.03, 0.10
HSL	176°, 65%, 71%
HSV	176°, 42%, 90%
XYZ	50.5462, 66.0070, 78.9705
YIQ	199.1990, -55.5650, -22.7410

Conversions

Conversions Part 2

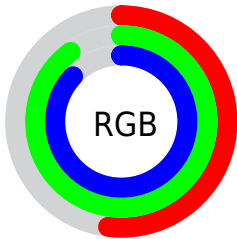
Format	Color
RYB	132, 182, 229
Decimal	8709598
CIELab	85.00, -30.25, -5.56
CIELCh	85, 30.759, 190.405
Yxy	66.0070, 0.2585, 0.3376
Android (android.graphics.Color)	4286899678 (0xFF84E5DE)
YUV	199.1990, 11.2409, -58.9335
Hunter-Lab	81.2447, -31.1250, -0.7590

Details

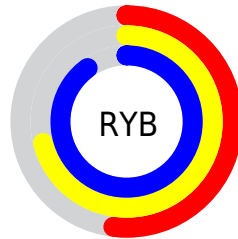
The CIELCh color **85, 30.759, 190.405** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 39.950, 18.390**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.100, 198.118**, and **65, 30.696, 190.577** is the 20% darker color. If you saturate the color by 10%, you get **84, 36.237, 189.678**, and if you desaturate by 10%, it is **86, 24.461, 191.124**.

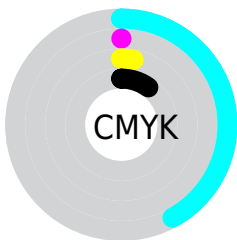
Distribution



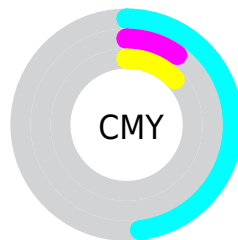
- Red (52%)
- Green (90%)
- Blue (87%)



- Red (52%)
- Yellow (71%)
- Blue (90%)



- Cyan (42%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (48%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 30.759, 190.405 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, 30.759, 190.405 by changing the saturation by 10% instead.


 85, 30.759,
190.405


 85, 30.759,
190.405


 100, 30.759,
190.405


 75, 30.759,
190.405

 65, 30.759,
190.405

 55, 30.759,
190.405

 45, 30.759,
190.405

 35, 30.759,
190.405

 25, 30.759,
190.405

 15, 30.759,

190.405

■ 5, 30.759, 190.405

■ 0, 30.759, 190.405

■ 85, 30.759,
190.405

■ 85, 30.759,
190.405

■ 84, 36.237,
189.678

■ 86, 24.461,
191.124

■ 83, 40.787,
188.938

■ 87, 17.473,
191.848

■ 83, 44.343,
188.172

■ 89, 9.931, 192.591

■ 83, 46.893,
187.364

■ 90, 1.969, 193.554

■ 92, 6.293, 13.876

■ 82, 48.498,

186.497

93, 9.639, 11.142

82, 49.243,
185.805

93, 9.786, 6.230

93, 10.004, 1.500

93, 10.289,
357.006

Harmonies

Complementary

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



85, 30.759, 190.405



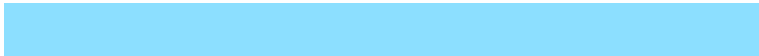
66, 39.950, 18.390

Rectangle

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



85, 30.759, 190.405



85, 30.759, 240.405



85, 30.759, 10.405



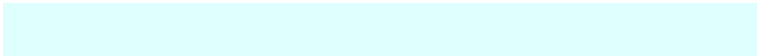
85, 30.759, 60.405

Sweetspot

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



85, 30.759, 190.403



98, 11.342, 192.540



83, 59.897, 139.300



52, 7.895, 192.373



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, 30.759, 190.403



93, 38.735, 189.759



74, 27.144, 252.854



47, 4.586, 192.822



66, 40.862, 185.963



18, 16.955, 187.482

Inverse Universe

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



66, 39.950, 18.390



68, 53.546, 20.236



75, 32.811, 61.459



45, 4.830, 14.103



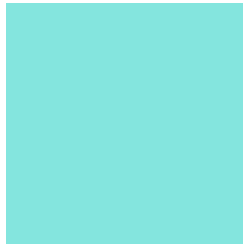
37, 76.990, 37.055



6, 26.886, 18.777

Previews

White Background



This preview shows how the CIE LCh color 85, 30.759, 190.405 looks on a white background.

Color Contrast Check

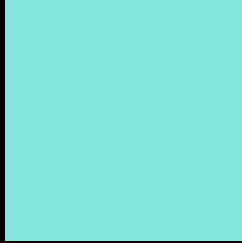
Large Text (above 18pt) WCAG AA × Fail

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, 30.759, 190.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

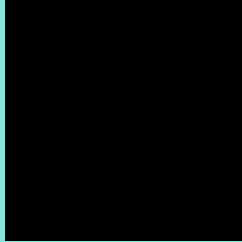
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 30.759, 190.405

Background



This preview shows how black text looks on a background with the CIELCh color 85, 30.759, 190.405.

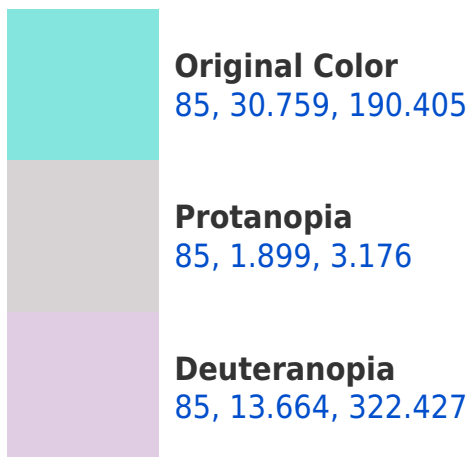


This preview shows how white text looks on a background with the CIELCh color 85, 30.759, 190.405.

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, 27.640, 219.205

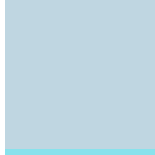
Trichromacy



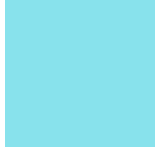
Original Color
85, 30.759, 190.405



Protanomaly
84, 11.217, 193.244



Deuteranomaly
84, 9.678, 235.913

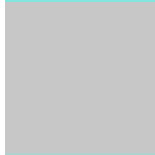


Tritanomaly
85, 27.817, 208.644

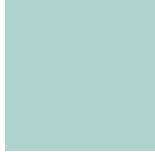
Monochromacy



Original Color
85, 30.759, 190.405



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 12.365, 191.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 30.759, 190.405 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(132, 229, 222)` looks like.

```
.text, #text, p{  
    color:rgb(132, 229, 222)  
}
```

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(132, 229, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 229, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 30.759, 190.405 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(132, 229, 222) }
```

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

```
.border{ border-color:rgb(132, 229, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 229, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 229, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 229, 222); box-shadow:4px 4px 4px 4px rgb(132, 229, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 30.759, 190.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 229, 222) }
```

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

```
.background{ background-color: rgb(132,  
229, 222) }
```

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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