

Converting Colors

CIELCh(85, 30.285, 199.691)

Have a look what the booklet for
CIELCh(85, 30.285, 199.691)
contains.

CIELCh(85, 30.246, 199.420)	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, 30.246, 199.420)

Conversions

Conversions Part 1

Format	Color
Hex	81E4E6
RGB	129, 228, 230
RGB Percent	51%, 89%, 90%
CMY	0.4933, 0.1051, 0.0972
CMYK	0.44, 0.01, 0.00, 0.10
HSL	181°, 67%, 70%
HSV	181°, 44%, 90%
XYZ	51.1958, 66.0070, 85.0550
YIQ	198.6270, -59.6460, -20.3660

Conversions

Conversions Part 2

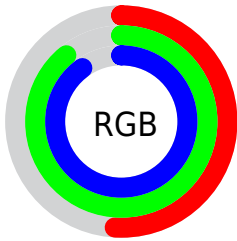
Format	Color
R_{YB}	129, 179, 230
Decimal	8512742
CIE _{Lab}	85.00, -28.53, -10.06
CIE _{LCh}	85, 30.246, 199.420
Yxy	66.0070, 0.2531, 0.3264
Android (android.graphics.Color)	4286702822 (0xFF81E4E6)
YUV	198.6270, 15.4669, -61.0629
Hunter-Lab	81.2447, -29.6977, -5.1993

Details

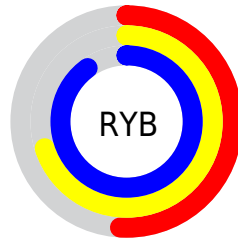
The CIELCh color **85, 30.246, 199.420** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 41.699, 25.301**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **65, 30.062, 200.194** is the 20% darker color. If you saturate the color by 10%, you get **84, 35.141, 199.222**, and if you desaturate by 10%, it is **86, 24.469, 199.698**.

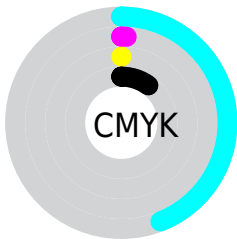
Distribution



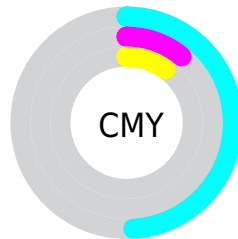
- Red (51%)
- Green (89%)
- Blue (90%)



- Red (51%)
- Yellow (70%)
- Blue (90%)



- Cyan (44%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)





- Cyan (49%)
- Magenta (11%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 30.246, 199.420 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, 30.246, 199.420 by changing the saturation by 10% instead.


 85, 30.246,
199.420


 85, 30.246,
199.420


 100, 30.246,
199.420


 75, 30.246,
199.420

 65, 30.246,
199.420

 55, 30.246,
199.420

 45, 30.246,
199.420

 35, 30.246,
199.420

 25, 30.246,
199.420

 15, 30.246,

199.420

■ 5, 30.246, 199.420

■ 0, 30.246, 199.420

■ 85, 30.246,
199.420

■ 85, 30.246,
199.420

■ 84, 35.141,
199.222

■ 86, 24.469,
199.698

■ 83, 39.064,
199.118

■ 87, 17.929,
200.056

■ 83, 41.968,
199.113

■ 89, 10.756,
200.490

■ 82, 43.861,
199.210

■ 91, 3.079, 201.096

■ 82, 44.826,

■ 93, 4.979, 21.276

199.406

93, 8.734, 22.402

82, 45.095,
199.563

94, 8.582, 23.988

94, 8.437, 25.630

94, 8.299, 27.327

Harmonies

Complementary

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



85, 30.246, 199.420



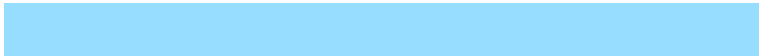
66, 41.699, 25.301

Rectangle

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



85, 30.246, 199.420



85, 30.246, 249.420



85, 30.246, 19.420



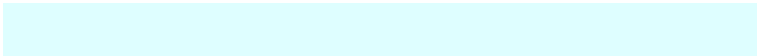
85, 30.246, 69.420

Sweetspot

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



85, 30.246, 199.418



98, 10.977, 200.529



83, 63.050, 141.413



52, 7.632, 200.423



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, 30.246, 199.418



92, 37.692, 199.231



71, 31.320, 265.155



47, 4.446, 200.715



65, 37.297, 199.509



18, 15.716, 199.015

Inverse Universe

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



68, 62.709, 327.338



71, 80.629, 327.779



77, 35.079, 71.580



45, 8.196, 325.474



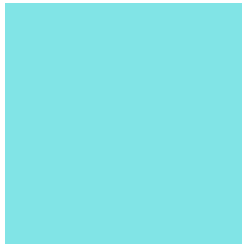
42, 87.074, 329.031



8, 36.627, 328.906

Previews

White Background



This preview shows how the CIE LCh color 85, 30.246, 199.420 looks on a white background.

Color Contrast Check

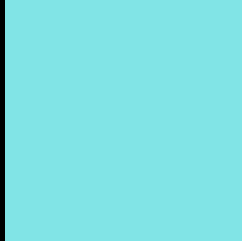
Large Text (above 18pt) WCAG AA × Fail

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, 30.246, 199.420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

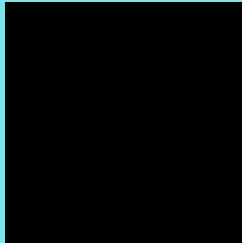
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 30.246, 199.420

Background



This preview shows how black text looks on a background with the CIELCh color 85, 30.246, 199.420.

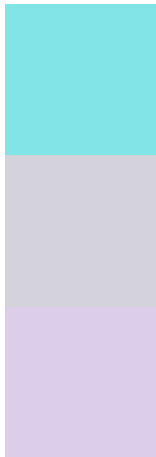


This preview shows how white text looks on a background with the CIELCh color 85, 30.246, 199.420.

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, 30.246, 199.420

Protanopia
85, 4.810, 299.114

Deuteranopia
84, 16.742, 309.644



Tritanopia
85, 28.899, 217.010

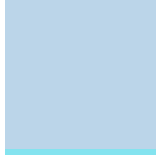
Trichromacy



Original Color
85, 30.246, 199.420



Protanomaly
84, 12.260, 213.654



Deuteranomaly
84, 13.489, 250.704

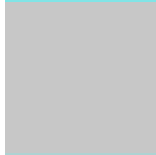


Tritanomaly
85, 29.039, 210.264

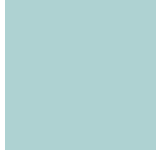
Monochromacy



Original Color
85, 30.246, 199.420



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 12.473, 198.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 30.246, 199.420 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, 228, 230)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 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(129, 228, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 30.246, 199.420 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, 228, 230) }
```

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

```
.border{ border-color:rgb(129, 228, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 228, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 228, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 228, 230); box-shadow:4px 4px 4px 4px rgb(129, 228, 230) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 30.246, 199.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 228, 230) }
```

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

```
.background{ background-color: rgb(129,  
228, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor