

Converting Colors

CIELCh(85, 34.208, 204.513)

Have a look what the booklet for
CIELCh(85, 34.208, 204.513)
contains.

CIELCh(85, 34.305, 204.331)	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, 34.305, 204.331)

Conversions

Conversions Part 1

Format	Color
Hex	6FE6EE
RGB	111, 230, 238
RGB Percent	44%, 90%, 93%
CMY	0.5656, 0.0988, 0.0675
CMYK	0.53, 0.03, 0.00, 0.07
HSL	184°, 79%, 68%
HSV	184°, 53%, 93%
XYZ	50.1710, 66.0070, 90.8294
YIQ	195.3310, -73.4920, -22.7400

Conversions

Conversions Part 2

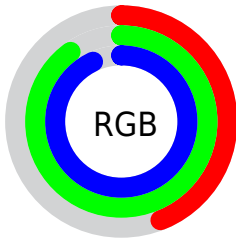
Format	Color
RYB	111, 172, 238
Decimal	7333614
CIELab	85.00, -31.26, -14.13
CIELCh	85, 34.305, 204.331
Yxy	66.0070, 0.2424, 0.3189
Android (android.graphics.Color)	4285523694 (0xFF6FE6EE)
YUV	195.3310, 21.0358, -73.9583
Hunter-Lab	81.2447, -31.9493, -9.4133




Details

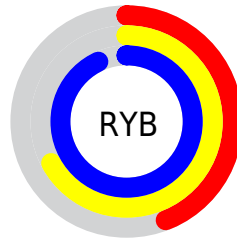
The CIELCh color **85, 34.305, 204.331** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **64, 51.984, 29.845**, and the grayscale version is **79, 0.010, 296.813**.




A 20% lighter version of the original color is **95, 26.210, 197.801**, and **65, 34.339, 204.256** is the 20% darker color. If you saturate the color by 10%, you get **84, 38.155, 204.597**, and if you desaturate by 10%, it is **86, 29.481, 204.220**.

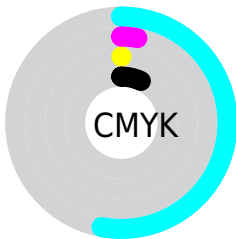
Distribution







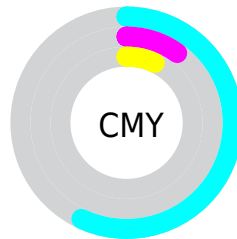
-  Red (44%)
-  Green (90%)
-  Blue (93%)






-  Red (44%)
-  Yellow (67%)
-  Blue (93%)



-  Cyan (53%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (7%)





-  Cyan (57%)
-  Magenta (10%)
-  Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 34.305, 204.331 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, 34.305, 204.331 by changing the saturation by 10% instead.


 85, 34.305,
204.331


 85, 34.305,
204.331


 100, 34.305,
204.331


 75, 34.305,
204.331

 65, 34.305,
204.331

 55, 34.305,
204.331

 45, 34.305,
204.331

 35, 34.305,
204.331

 25, 34.305,
204.331

 15, 34.305,

204.331

■ 5, 34.305, 204.331

■ 0, 34.305, 204.331

■ 85, 34.305,
204.331

■ 85, 34.305,
204.331

■ 84, 38.155,
204.597

■ 86, 29.481,
204.220

■ 83, 40.974,
205.044

■ 88, 23.781,
204.246

■ 82, 42.764,
205.693

■ 89, 17.327,
204.389

■ 82, 43.601,
206.557

■ 91, 10.249,
204.640

■ 81, 43.775,

■ 93, 2.676, 205.115

207.226

95, 5.276, 25.116

96, 5.416, 33.159

96, 5.141, 42.826

97, 5.027, 53.241

Harmonies

Complementary

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



85, 34.305, 204.331



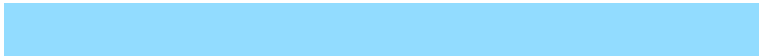
64, 51.984, 29.845

Rectangle

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



85, 34.305, 204.331



85, 34.305, 254.331



85, 34.305, 24.331



85, 34.305, 74.331

Sweetspot

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



85, 34.305, 204.329



97, 12.838, 204.563



85, 75.866, 141.195



51, 8.612, 204.508



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, 34.305, 204.329



89, 40.514, 204.626



68, 40.704, 271.282



49, 4.418, 204.775



64, 36.100, 207.034



19, 15.915, 205.437

Inverse Universe

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



66, 74.562, 329.143



66, 91.019, 329.657



77, 45.209, 73.505



47, 8.247, 326.694



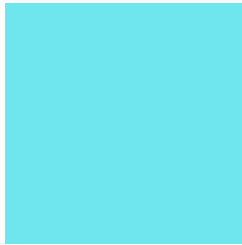
43, 85.948, 330.906



10, 37.778, 330.512

Previews

White Background



This preview shows how the CIE LCh color 85, 34.305, 204.331 looks on a white background.

Color Contrast Check

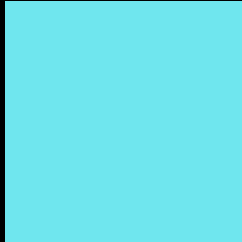
Large Text (above 18pt) WCAG AA × Fail

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, 34.305, 204.331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

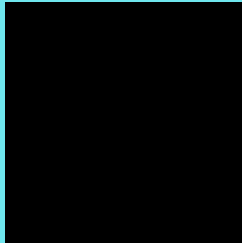
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 34.305, 204.331

Background



This preview shows how black text looks on a background with the CIELCh color 85, 34.305, 204.331.

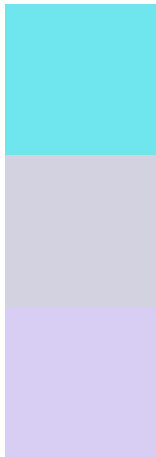


This preview shows how white text looks on a background with the CIELCh color 85, 34.305, 204.331.

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, 34.305, 204.331

Protanopia
85, 7.906, 290.859

Deuteranopia
85, 19.877, 301.679

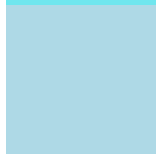


Tritanopia
85, 33.344, 215.053

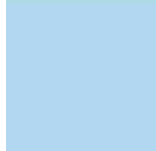
Trichromacy



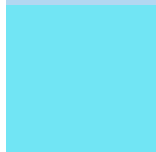
Original Color
85, 34.305, 204.331



Protanomaly
84, 15.625, 224.703



Deuteranomaly
84, 17.925, 249.028

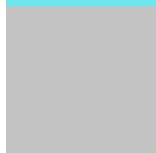


Tritanomaly
85, 33.606, 211.063

Monochromacy



Original Color
85, 34.305, 204.331



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 15.016, 204.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 34.305, 204.331 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(111, 230, 238)` looks like.

```
.text, #text, p{  
    color:rgb(111, 230, 238)  
}
```

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(111, 230, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 230, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 34.305, 204.331 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(111, 230, 238) }
```

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

```
.border{ border-color:rgb(111, 230, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 230, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 230, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 230, 238);  
box-shadow:4px 4px 4px 4px rgb(111, 230,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 34.305, 204.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 230, 238) }
```

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

```
.background{ background-color: rgb(111,  
230, 238) }
```

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