

Converting Colors

CIELCh(85, 30.018, 205.665)

Have a look what the booklet for
CIELCh(85, 30.018, 205.665)
contains.

CIELCh(85, 30.197, 205.554)	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, 30.197, 205.554)

Conversions

Conversions Part 1

Format	Color
Hex	80E4EC
RGB	128, 228, 236
RGB Percent	50%, 89%, 93%
CMY	0.4988, 0.1066, 0.0752
CMYK	0.46, 0.03, 0.00, 0.08
HSL	184°, 74%, 71%
HSV	184°, 46%, 92%
XYZ	51.6813, 66.0070, 89.2350
YIQ	199.0120, -62.1680, -18.7120

Conversions

Conversions Part 2

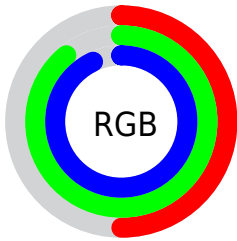
Format	Color
R _Y B	128, 180, 236
Decimal	8447212
CIE Lab	85.00, -27.24, -13.03
CIE LCh	85, 30.197, 205.554
Yxy	66.0070, 0.2498, 0.3190
Android (android.graphics.Color)	4286637292 (0xFF80E4EC)
YUV	199.0120, 18.2351, -62.2775
Hunter-Lab	81.2447, -28.6309, -8.2498

Details

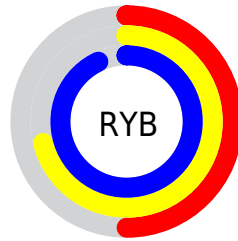
The CIELCh color **85, 30.197, 205.554** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **67, 42.776, 29.408**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 22.269, 198.045**, and **65, 30.087, 205.636** is the 20% darker color. If you saturate the color by 10%, you get **84, 34.718, 205.787**, and if you desaturate by 10%, it is **87, 24.788, 205.473**.

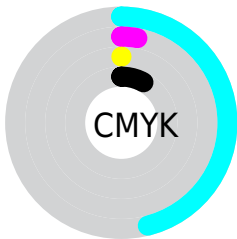
Distribution



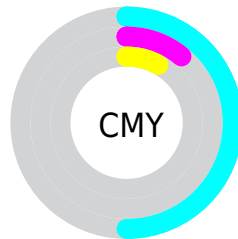
- Red (50%)
- Green (89%)
- Blue (93%)



- Red (50%)
- Yellow (71%)
- Blue (93%)



- Cyan (46%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)





- Cyan (50%)
- Magenta (11%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 30.197, 205.554 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, 30.197, 205.554 by changing the saturation by 10% instead.


 85, 30.197,
205.554


 85, 30.197,
205.554


 100, 30.197,
205.554


 75, 30.197,
205.554

 65, 30.197,
205.554

 55, 30.197,
205.554

 45, 30.197,
205.554

 35, 30.197,
205.554

 25, 30.197,
205.554

 15, 30.197,

205.554

■ 5, 30.197, 205.554

■ 0, 30.197, 205.554

■ 85, 30.197,
205.554

■ 85, 30.197,
205.554

■ 84, 34.718,
205.787

■ 87, 24.788,
205.473

■ 83, 38.261,
206.205

■ 88, 18.609,
205.527

■ 82, 40.782,
206.833

■ 90, 11.785,
205.698

■ 81, 42.298,
207.697

■ 92, 4.445, 206.022

■ 80, 42.904,

■ 94, 3.294, 25.993

208.813

95, 6.129, 31.618

80, 42.995,
209.334

96, 5.781, 41.531

96, 5.626, 52.333

97, 5.678, 63.321

Harmonies

Complementary

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



85, 30.197, 205.554



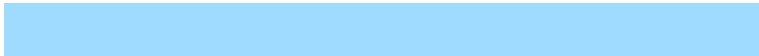
67, 42.776, 29.408

Rectangle

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



85, 30.197, 205.554



85, 30.197, 255.554



85, 30.197, 25.554



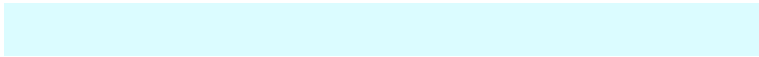
85, 30.197, 75.554

Sweetspot

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



85, 30.197, 205.552



97, 11.185, 205.740



85, 64.746, 142.527



51, 7.672, 205.688



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, 30.197, 205.552



90, 36.590, 205.769



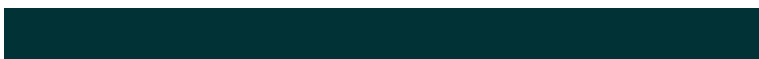
70, 35.484, 270.765



48, 4.297, 205.873



63, 35.317, 209.095



18, 15.296, 207.070

Inverse Universe

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



69, 64.152, 329.103



69, 80.234, 329.598



79, 38.335, 76.166



46, 8.040, 327.017



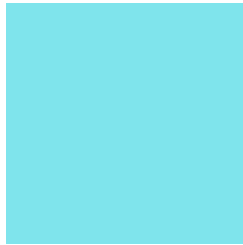
42, 84.327, 331.412



9, 36.419, 330.915

Previews

White Background



This preview shows how the CIE LCh color 85, 30.197, 205.554 looks on a white background.

Color Contrast Check

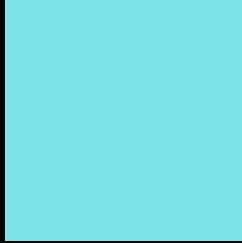
Large Text (above 18pt) WCAG AA × Fail

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, 30.197, 205.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

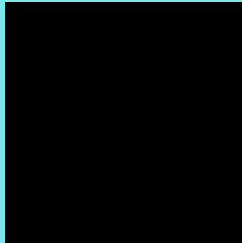
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 30.197, 205.554

Background



This preview shows how black text looks on a background with the CIELCh color 85, 30.197, 205.554.



This preview shows how white text looks on a background with the CIELCh color 85, 30.197, 205.554.

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



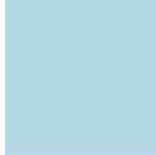


Tritanopia
85, 29.426, 217.736

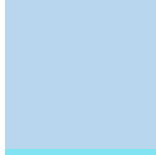
Trichromacy



Original Color
85, 30.197, 205.554



Protanomaly
84, 13.429, 229.546



Deuteranomaly
84, 16.039, 254.550

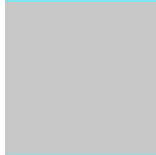


Tritanomaly
85, 29.601, 213.208

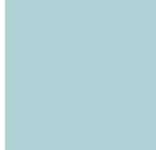
Monochromacy



Original Color
85, 30.197, 205.554



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 12.457, 205.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 30.197, 205.554 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, 228, 236)` looks like.

```
.text, #text, p{  
    color:rgb(128, 228, 236)  
}
```

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, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 228, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 30.197, 205.554 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, 228, 236) }
```

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

```
.border{ border-color:rgb(128, 228, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(128, 228,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 30.197, 205.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 228, 236) }
```

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

```
.background{ background-color: rgb(128,  
228, 236) }
```

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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