

Converting Colors

CIELCh(85, 31.565, 214.691)

Have a look what the booklet for
CIELCh(85, 31.565, 214.691)
contains.

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Color

CIELCh(85, 31.645, 214.078)

Conversions

Conversions Part 1

Format	Color
Hex	7AE4F5
RGB	122, 228, 245
RGB Percent	48%, 89%, 96%
CMY	0.5228, 0.1071, 0.0404
CMYK	0.50, 0.07, 0.00, 0.04
HSL	188°, 86%, 72%
HSV	188°, 50%, 96%
XYZ	52.0745, 66.0070, 96.1361
YIQ	198.2440, -68.6330, -17.1850

Conversions

Conversions Part 2

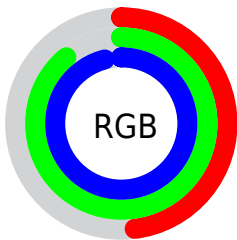
Format	Color
RYB	122, 179, 245
Decimal	8054005
CIELab	85.00, -26.21, -17.73
CIElCh	85, 31.645, 214.078
Yxy	66.0070, 0.2431, 0.3081
Android (android.graphics.Color)	4286244085 (0xFF7AE4F5)
YUV	198.2440, 23.0507, -66.8660
Hunter-Lab	81.2447, -27.7671, -13.2860

Details

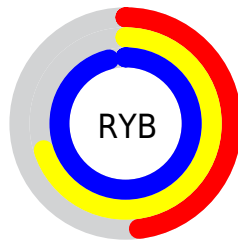
The CIELCh color **85, 31.645, 214.078** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **69, 46.942, 34.816**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.419, 197.974**, and **65, 31.615, 214.687** is the 20% darker color. If you saturate the color by 10%, you get **83, 35.676, 215.022**, and if you desaturate by 10%, it is **87, 26.709, 213.411**.

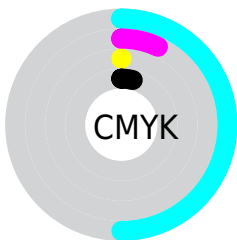
Distribution



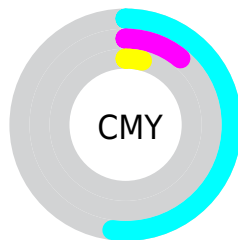
- Red (48%)
- Green (89%)
- Blue (96%)



- Red (48%)
- Yellow (70%)
- Blue (96%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)





- Cyan (52%)
- Magenta (11%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 31.645, 214.078 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, 31.645, 214.078 by changing the saturation by 10% instead.


 85, 31.645,
214.078


 85, 31.645,
214.078


 100, 31.645,
214.078


 75, 31.645,
214.078

 65, 31.645,
214.078

 55, 31.645,
214.078

 45, 31.645,
214.078

 35, 31.645,
214.078

 25, 31.645,
214.078

 15, 31.645,

214.078

■ 5, 31.645, 214.078

■ 0, 31.645, 214.078

■ 85, 31.645,
214.078

■ 85, 31.645,
214.078

■ 83, 35.676,
215.022

■ 87, 26.709,
213.411

■ 82, 38.732,
216.307

■ 89, 20.976,
212.975

■ 80, 40.795,
217.992

■ 91, 14.567,
212.729

■ 79, 41.925,
220.133

■ 94, 7.605, 212.654

■ 78, 42.338,

■ 96, 0.207, 215.679

222.638

98, 2.981, 53.433

99, 3.605, 88.944

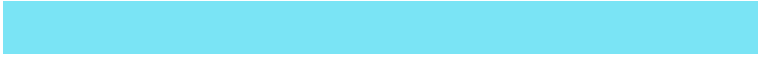
100, 5.086,
108.760

100, 5.215,
109.773

Harmonies

Complementary

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



85, 31.645, 214.078



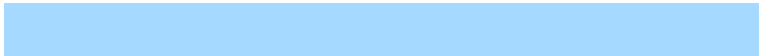
69, 46.942, 34.816

Rectangle

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



85, 31.645, 214.078



85, 31.645, 264.078



85, 31.645, 34.078



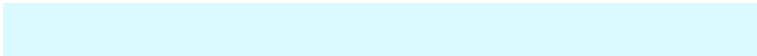
85, 31.645, 84.078

Sweetspot

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



85, 31.645, 214.076



96, 11.330, 212.667



88, 69.464, 143.890



51, 7.681, 212.686



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

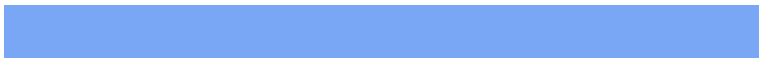
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 31.645, 214.076



86, 36.757, 215.007



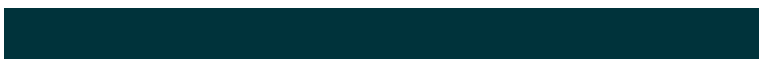
68, 43.979, 277.881



50, 4.218, 212.657



61, 34.507, 222.134



19, 15.463, 218.280

Inverse Universe

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



69, 68.828, 331.554



67, 82.442, 332.168



83, 45.255, 81.561



48, 7.963, 329.001



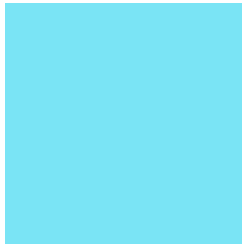
43, 81.872, 334.626



10, 36.921, 333.667

Previews

White Background



This preview shows how the CIE LCh color 85, 31.645, 214.078 looks on a white background.

Color Contrast Check

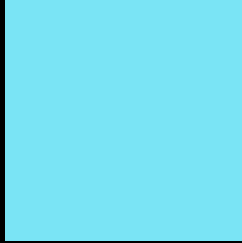
Large Text (above 18pt) WCAG AA × Fail

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, 31.645, 214.078 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, 31.645, 214.078

Background



This preview shows how black text looks on a background with the CIELCh color 85, 31.645, 214.078.

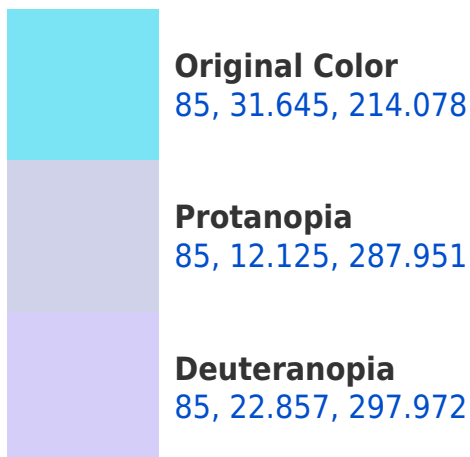



This preview shows how white text looks on a background with the CIELCh color 85, 31.645, 214.078.

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



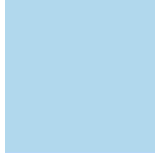


Tritanopia
85, 31.699, 215.066

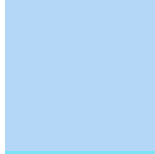
Trichromacy



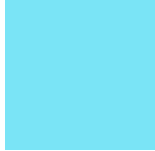
Original Color
85, 31.645, 214.078



Protanomaly
84, 16.628, 240.705



Deuteranomaly
84, 20.216, 258.784

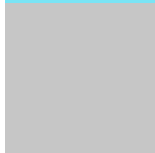


Tritanomaly
85, 31.699, 215.066

Monochromacy



Original Color
85, 31.645, 214.078



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 13.567, 212.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 31.645, 214.078 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(122, 228, 245)` looks like.

```
.text, #text, p{  
    color:rgb(122, 228, 245)  
}
```

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(122, 228, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 228, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 31.645, 214.078 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(122, 228, 245) }
```

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

```
.border{ border-color:rgb(122, 228, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 228, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 228, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 228, 245);  
box-shadow:4px 4px 4px 4px rgb(122, 228,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 31.645, 214.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 228, 245) }
```

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

```
.background{ background-color: rgb(122,  
228, 245) }
```

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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