

Converting Colors

CIELCh(85, 29.107, 197.027)

Have a look what the booklet for
CIELCh(85, 29.107, 197.027)
contains.

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Color

CIELCh(85, 29.279, 196.413)

Conversions

Conversions Part 1

Format	Color
Hex	86E4E3
RGB	134, 228, 227
RGB Percent	53%, 89%, 89%
CMY	0.4750, 0.1064, 0.1103
CMYK	0.41, 0.00, 0.00, 0.11
HSL	179°, 63%, 71%
HSV	179°, 41%, 89%
XYZ	51.3618, 66.0070, 82.6082
YIQ	199.7800, -55.7030, -20.2390

Conversions

Conversions Part 2

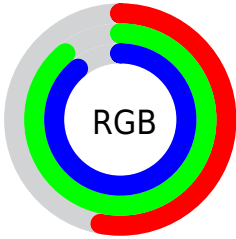
Format	Color
RYB	134, 181, 228
Decimal	8840419
CIELab	85.00, -28.09, -8.27
CIELCh	85, 29.279, 196.413
Yxy	66.0070, 0.2568, 0.3301
Android (android.graphics.Color)	4287030499 (0xFF86E4E3)
YUV	199.7800, 13.4195, -57.6891
Hunter-Lab	81.2447, -29.3329, -3.4137

Details

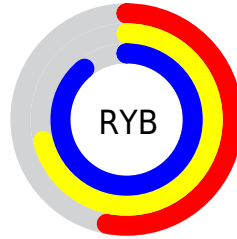
The CIELCh color **85, 29.279, 196.413** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 39.092, 22.761**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **65, 29.200, 197.018** is the 20% darker color. If you saturate the color by 10%, you get **84, 34.542, 196.008**, and if you desaturate by 10%, it is **86, 23.168, 196.866**.

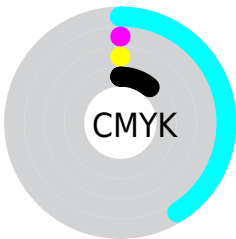
Distribution



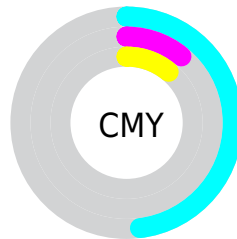
- Red (53%)
- Green (89%)
- Blue (89%)



- Red (53%)
- Yellow (71%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (48%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 29.279, 196.413 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, 29.279, 196.413 by changing the saturation by 10% instead.


 85, 29.279,
196.413


 85, 29.279,
196.413


 100, 29.279,
196.413


 75, 29.279,
196.413

 65, 29.279,
196.413

 55, 29.279,
196.413

 45, 29.279,
196.413

 35, 29.279,
196.413

 25, 29.279,
196.413

 15, 29.279,

196.413

■ 5, 29.279, 196.413

■ 0, 29.279, 196.413

■ 85, 29.279,
196.413

■ 85, 29.279,
196.413

■ 84, 34.542,
196.008

■ 86, 23.168,
196.866

■ 83, 38.859,
195.658

■ 87, 16.332,
197.373

■ 83, 42.169,
195.361

■ 89, 8.903, 197.942

■ 83, 44.467,
195.111

■ 90, 1.013, 199.045

■ 92, 7.220, 18.959

■ 82, 45.816,

194.902

93, 9.873, 18.682

82, 46.395,
194.743

93, 9.874, 17.960

93, 9.875, 17.239

93, 9.879, 16.518

Harmonies

Complementary

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



85, 29.279, 196.413



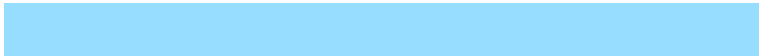
66, 39.092, 22.761

Rectangle

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



85, 29.279, 196.413



85, 29.279, 246.413



85, 29.279, 16.413



85, 29.279, 66.413

Sweetspot

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



85, 29.279, 196.411



98, 10.380, 197.892



83, 59.339, 140.904



52, 6.861, 197.813



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, 29.279, 196.411



93, 37.112, 196.043



72, 28.170, 260.770



47, 4.541, 198.054



66, 38.646, 194.769



18, 16.197, 195.016

Inverse Universe

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



66, 39.092, 22.761



68, 53.312, 24.491



76, 32.133, 68.545



45, 4.815, 19.073



37, 79.507, 39.536



6, 27.068, 21.320

Previews

White Background



This preview shows how the CIE LCh color 85, 29.279, 196.413 looks on a white background.

Color Contrast Check

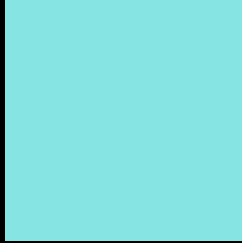
Large Text (above 18pt) WCAG AA × Fail

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, 29.279, 196.413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

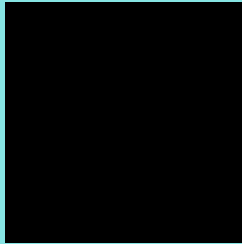
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 29.279, 196.413

Background



This preview shows how black text looks on a background with the CIELCh color 85, 29.279, 196.413.

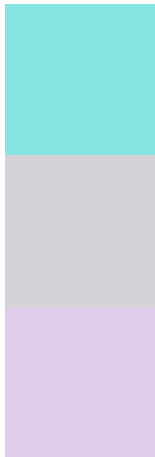


This preview shows how white text looks on a background with the CIELCh color 85, 29.279, 196.413.

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, 29.279, 196.413

Protanopia
85, 3.359, 309.152

Deuteranopia
84, 15.513, 313.942



Tritanopia
85, 27.309, 218.285

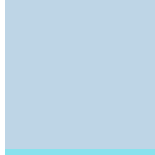
Trichromacy



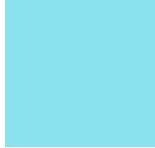
Original Color
85, 29.279, 196.413



Protanomaly
84, 11.156, 209.636



Deuteranomaly
84, 11.720, 249.150

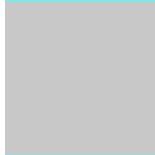


Tritanomaly
85, 27.592, 209.887

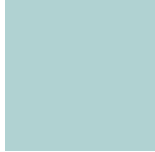
Monochromacy



Original Color
85, 29.279, 196.413



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 11.814, 198.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 29.279, 196.413 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(134, 228, 227)` looks like.

```
.text, #text, p{  
    color:rgb(134, 228, 227)  
}
```

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(134, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 228, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 29.279, 196.413 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(134, 228, 227) }
```

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

```
.border{ border-color:rgb(134, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(134, 228,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 29.279, 196.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 228, 227) }
```

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

```
.background{ background-color: rgb(134,  
228, 227) }
```

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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