

Converting Colors

CIELCh(84, 29.712, 196.937)

Have a look what the booklet for
CIELCh(84, 29.712, 196.937)
contains.

CIELCh(84, 29.679, 197.411)	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(84, 29.679, 197.411)

Conversions

Conversions Part 1

Format	Color
Hex	81E1E1
RGB	129, 225, 225
RGB Percent	51%, 88%, 88%
CMY	0.4934, 0.1170, 0.1170
CMYK	0.43, 0.00, 0.00, 0.12
HSL	180°, 62%, 69%
HSV	180°, 43%, 88%
XYZ	49.6618, 64.0658, 81.1005
YIQ	196.2960, -57.2160, -20.3520

Conversions

Conversions Part 2

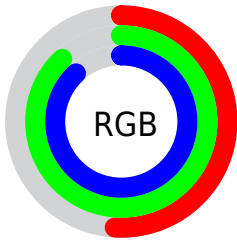
Format	Color
RYB	129, 177, 225
Decimal	8511969
CIELab	84.00, -28.32, -8.88
CIElCh	84, 29.679, 197.411
Yxy	64.0658, 0.2549, 0.3288
Android (android.graphics.Color)	4286702049 (0xFF81E1E1)
YUV	196.2960, 14.1511, -59.0186
Hunter-Lab	80.0411, -29.3208, -4.0460

Details

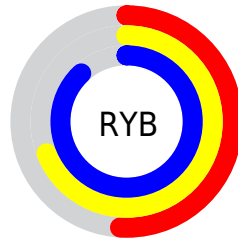
The CIELCh color **84, 29.679, 197.411** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **64, 40.302, 23.769**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **64, 29.613, 198.055** is the 20% darker color. If you saturate the color by 10%, you get **83, 34.727, 197.078**, and if you desaturate by 10%, it is **85, 23.771, 197.803**.

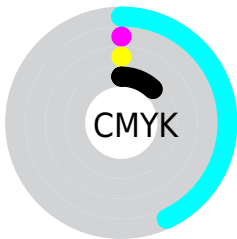
Distribution



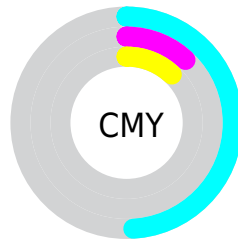
- Red (51%)
- Green (88%)
- Blue (88%)



- Red (51%)
- Yellow (69%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (49%)
- Magenta (12%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 29.679, 197.411 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 84, 29.679, 197.411 by changing the saturation by 10% instead.


 84, 29.679,
197.411

 84, 29.679,
197.411


 100, 29.679,
197.411


 74, 29.679,
197.411

 64, 29.679,
197.411

 54, 29.679,
197.411

 44, 29.679,
197.411

 34, 29.679,
197.411

 24, 29.679,
197.411

 14, 29.679,

197.411

■ 4, 29.679, 197.411

■ 0, 29.679, 197.411

■ 84, 29.679,
197.411

■ 84, 29.679,
197.411

■ 83, 34.727,
197.078

■ 85, 23.771,
197.803

■ 83, 38.822,
196.813

■ 86, 17.119,
198.259

■ 82, 41.916,
196.615

■ 88, 9.854, 198.780

■ 82, 44.014,
196.482

■ 89, 2.105, 199.542

■ 91, 6.007, 19.724

■ 82, 45.189,

196.408

92, 10.905, 20.116

82, 45.619,
196.380

92, 10.905, 20.114

92, 10.905, 20.111

92, 10.905, 20.109

Harmonies

Complementary

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



84, 29.679, 197.411



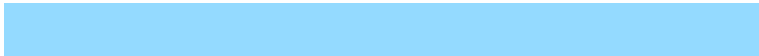
64, 40.302, 23.769

Rectangle

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



84, 29.679, 197.411



84, 29.679, 247.411



84, 29.679, 17.411



84, 29.679, 67.411

Sweetspot

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



84, 29.679, 197.409



98, 11.202, 198.755



82, 60.644, 140.769



52, 7.789, 198.633



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 29.679, 197.409



93, 37.496, 197.116



71, 28.793, 261.105



46, 4.454, 198.967



65, 37.941, 196.380



17, 15.585, 196.381

Inverse Universe

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



64, 40.302, 23.769



68, 54.728, 25.462



75, 33.001, 68.378



44, 4.728, 19.930



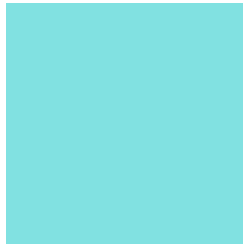
36, 79.112, 39.951



6, 25.541, 20.937

Previews

White Background



This preview shows how the CIE LCh color 84, 29.679, 197.411 looks on a white background.

Color Contrast Check

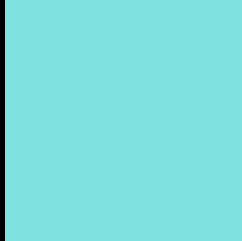
Large Text (above 18pt) WCAG AA × Fail

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 84, 29.679, 197.411 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 84, 29.679, 197.411

Background



This preview shows how black text looks on a background with the CIELCh color 84, 29.679, 197.411.

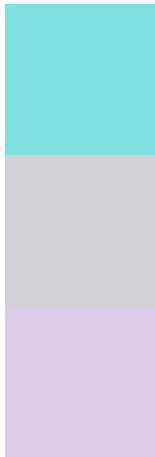


This preview shows how white text looks on a background with the CIELCh color 84, 29.679, 197.411.

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
84, 29.679, 197.411

Protanopia
84, 3.871, 306.663

Deuteranopia
84, 15.408, 312.725



Tritanopia
84, 27.992, 217.753

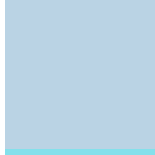
Trichromacy



Original Color
84, 29.679, 197.411



Protanomaly
83, 11.493, 209.303



Deuteranomaly
83, 12.167, 246.789

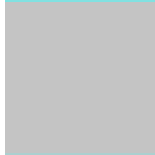


Tritanomaly
84, 28.306, 209.542

Monochromacy



Original Color
84, 29.679, 197.411



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 12.169, 198.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 29.679, 197.411 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, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(129, 225, 225)  
}
```

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, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 225, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 29.679, 197.411 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, 225, 225) }
```

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

```
.border{ border-color:rgb(129, 225, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 225, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 225, 225); box-shadow:4px 4px 4px 4px rgb(129, 225, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 29.679, 197.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 225, 225) }
```

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

```
.background{ background-color: rgb(129,  
225, 225) }
```

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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