

Converting Colors

CIELCh(84, 20.956, 212.344)

Have a look what the booklet for
CIELCh(84, 20.956, 212.344)
contains.

CIELCh(84, 20.819, 212.877)	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, 20.819, 212.877)

Conversions

Conversions Part 1

Format	Color
Hex	9DDCE6
RGB	157, 220, 230
RGB Percent	62%, 86%, 90%
CMY	0.3843, 0.1372, 0.0980
CMYK	0.32, 0.04, 0.00, 0.10
HSL	188°, 59%, 76%
HSV	188°, 32%, 90%
XYZ	53.7789, 64.0658, 84.3927
YIQ	202.3030, -40.7580, -10.2460

Conversions

Conversions Part 2

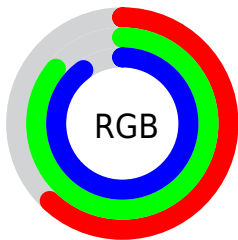
Format	Color
RYB	157, 191, 230
Decimal	10345702
CIELab	84.00, -17.48, -11.30
CIELCh	84, 20.819, 212.877
Yxy	64.0658, 0.2659, 0.3168
Android (android.graphics.Color)	4288535782 (0xFF9DDCE6)
YUV	202.3030, 13.6546, -39.7307
Hunter-Lab	80.0411, -20.1393, -6.4847

Details

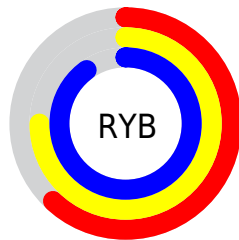
The CIELCh color **84, 20.819, 212.877** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **74, 26.170, 33.248**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.050, 198.569**, and **64, 20.769, 213.506** is the 20% darker color. If you saturate the color by 10%, you get **82, 26.180, 213.326**, and if you desaturate by 10%, it is **86, 14.800, 212.611**.

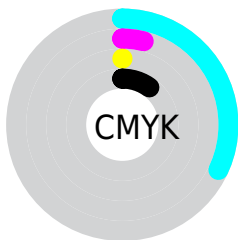
Distribution



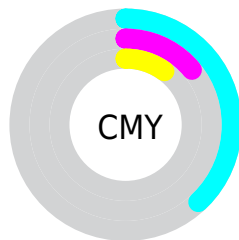
- Red (62%)
- Green (86%)
- Blue (90%)



- Red (62%)
- Yellow (75%)
- Blue (90%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (38%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 20.819, 212.877 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, 20.819, 212.877 by changing the saturation by 10% instead.

■ 84, 20.819,
212.877

■ 84, 20.819,
212.877

■ 100, 20.819,
212.877

■ 74, 20.819,
212.877

■ 64, 20.819,
212.877

■ 54, 20.819,
212.877

■ 44, 20.819,
212.877

■ 34, 20.819,
212.877

■ 24, 20.819,
212.877

■ 14, 20.819,

212.877

■ 4, 20.819, 212.877

■ 0, 20.819, 212.877

■ 84, 20.819,
212.877

■ 84, 20.819,
212.877

■ 82, 26.180,
213.326

■ 86, 14.800,
212.611

■ 80, 30.769,
214.012

■ 88, 8.241, 212.517

■ 79, 34.489,
214.982

■ 91, 1.253, 212.922

■ 77, 37.278,
216.293

■ 93, 6.066, 32.407

■ 76, 39.127,

■ 95, 7.571, 42.610

■ 95, 7.391, 57.576

218.005

96, 7.723, 72.210

75, 40.102,
220.171

97, 8.504, 84.858

74, 40.424,
222.273

98, 9.623, 94.941

Harmonies

Complementary

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



84, 20.819, 212.877



74, 26.170, 33.248

Rectangle

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



84, 20.819, 212.877



84, 20.819, 262.877



84, 20.819, 32.877



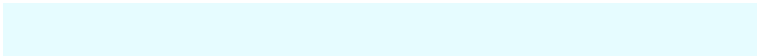
84, 20.819, 82.877

Sweetspot

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



84, 20.819, 212.873



97, 7.668, 212.520



85, 42.477, 145.929



52, 5.212, 212.517



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, 20.819, 212.873



91, 26.351, 213.142



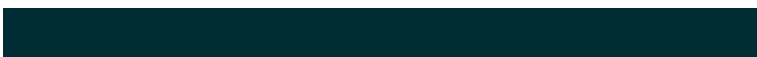
74, 26.113, 273.456



47, 4.005, 212.523



58, 33.466, 221.790



16, 14.182, 217.369

Inverse Universe

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



74, 42.438, 330.344



77, 54.961, 330.748



83, 26.666, 84.200



45, 7.558, 328.958



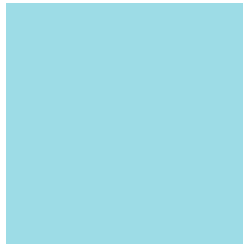
41, 79.459, 334.539



8, 33.894, 333.442

Previews

White Background



This preview shows how the CIE LCh color 84, 20.819, 212.877 looks on a white background.

Color Contrast Check

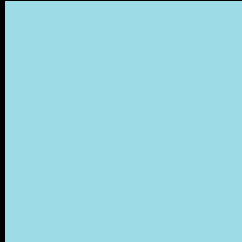
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 84, 20.819, 212.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

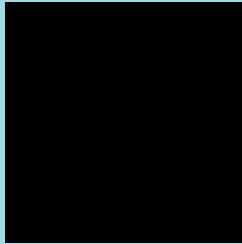
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 20.819, 212.877

Background



This preview shows how black text looks on a background with the CIELCh color 84, 20.819, 212.877.

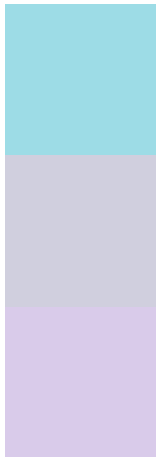


This preview shows how white text looks on a background with the CIELCh color 84, 20.819, 212.877.

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, 20.819, 212.877

Protanopia
84, 7.940, 293.411

Deuteranopia
84, 17.169, 307.995



Tritanopia
84, 21.010, 225.309

Trichromacy



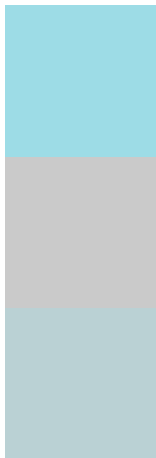
Original Color
84, 20.819, 212.877

Protanomaly
84, 10.308, 240.897

Deuteranomaly
83, 13.419, 270.535

Tritanomaly
84, 20.797, 220.721

Monochromacy



Original Color
84, 20.819, 212.877

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 8.184, 210.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 20.819, 212.877 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(157, 220, 230)` looks like.

```
.text, #text, p{  
    color:rgb(157, 220, 230)  
}
```

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(157, 220, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 220, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 20.819, 212.877 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(157, 220, 230) }
```

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

```
.border{ border-color:rgb(157, 220, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 220, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 220, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 220, 230);  
box-shadow:4px 4px 4px 4px rgb(157, 220,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 20.819, 212.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 220, 230) }
```

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

```
.background{ background-color: rgb(157,  
220, 230) }
```

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