

Converting Colors

CIELCh(84, 27.862, 221.288)

Have a look what the booklet for
CIELCh(84, 27.862, 221.288)
contains.

CIELCh(84, 27.867, 221.461)	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, 27.867, 221.461)

Conversions

Conversions Part 1

Format	Color
Hex	87DEF3
RGB	135, 222, 243
RGB Percent	53%, 87%, 95%
CMY	0.4694, 0.1282, 0.0459
CMYK	0.44, 0.09, 0.00, 0.05
HSL	192°, 82%, 74%
HSV	192°, 44%, 95%
XYZ	52.4637, 64.0658, 94.6341
YIQ	198.3810, -58.5930, -11.9130

Conversions

Conversions Part 2

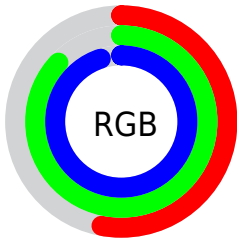
Format	Color
RYB	135, 183, 243
Decimal	8904435
CIELab	84.00, -20.88, -18.45
CIELCh	84, 27.867, 221.461
Yxy	64.0658, 0.2485, 0.3034
Android (android.graphics.Color)	4287094515 (0xFF87DEF3)
YUV	198.3810, 21.9972, -55.5851
Hunter-Lab	80.0411, -23.0724, -14.0709

Details

The CIELCh color **84, 27.867, 221.461** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 38.850, 39.109**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.212, 198.174**, and **64, 27.823, 221.347** is the 20% darker color. If you saturate the color by 10%, you get **82, 32.387, 222.765**, and if you desaturate by 10%, it is **86, 22.576, 220.490**.

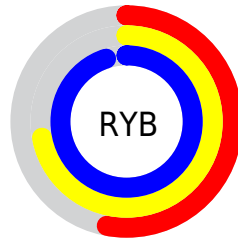
Distribution



Red (53%)

Green (87%)

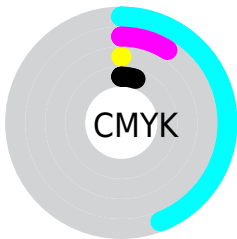
Blue (95%)



Red (53%)

Yellow (72%)

Blue (95%)

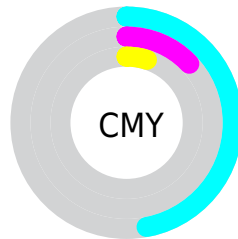


Cyan (44%)

Magenta (9%)

Yellow (0%)

Black (5%)



Cyan (47%)


Magenta (13%)

Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 27.867, 221.461 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, 27.867, 221.461 by changing the saturation by 10% instead.


 84, 27.867,
221.461


 84, 27.867,
221.461


 100, 27.867,
221.461


 74, 27.867,
221.461

 64, 27.867,
221.461

 54, 27.867,
221.461

 44, 27.867,
221.461

 34, 27.867,
221.461

 24, 27.867,
221.461

 14, 27.867,

221.461

■ 4, 27.867, 221.461

■ 0, 27.867, 221.461

■ 84, 27.867,
221.461

■ 84, 27.867,
221.461

■ 82, 32.387,
222.765

■ 86, 22.576,
220.490

■ 80, 36.053,
224.487

■ 89, 16.621,
219.795

■ 78, 38.827,
226.708

■ 92, 10.115,
219.326

■ 76, 40.736,
229.511

■ 95, 3.166, 219.135

■ 74, 41.898,

■ 97, 3.472, 42.316

232.949

99, 4.033, 87.557

74, 42.357,
235.093

100, 5.919,
109.722

Harmonies

Complementary

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



84, 27.867, 221.461



73, 38.850, 39.109

Rectangle

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



84, 27.867, 221.461



84, 27.867, 271.461



84, 27.867, 41.461



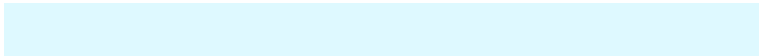
84, 27.867, 91.461

Sweetspot

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



84, 27.866, 221.459



96, 9.530, 219.279



88, 59.385, 146.146



51, 6.627, 219.358



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, 27.866, 221.459



86, 33.018, 222.580



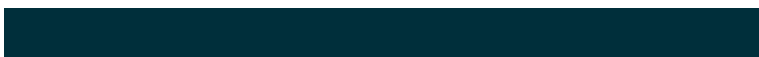
70, 41.164, 280.195



50, 4.069, 219.178



57, 34.597, 234.382



17, 15.284, 228.756

Inverse Universe

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



71, 58.933, 333.268



70, 71.727, 333.900



85, 41.018, 86.598



48, 7.653, 330.899



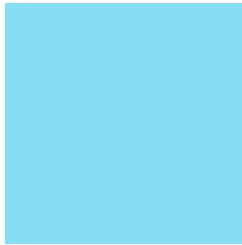
42, 78.436, 337.828



10, 35.556, 336.319

Previews

White Background



This preview shows how the CIELCh color 84, 27.867, 221.461 looks on a white background.

Color Contrast Check

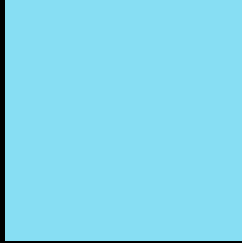
Large Text (above 18pt) WCAG AA × Fail

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, 27.867, 221.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

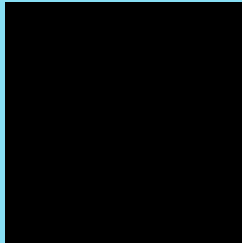
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 27.867, 221.461

Background



This preview shows how black text looks on a background with the CIELCh color 84, 27.867, 221.461.

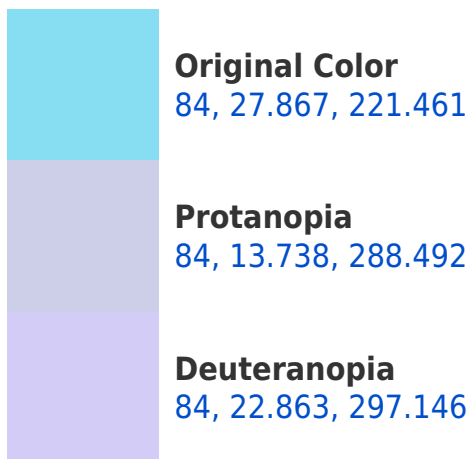



This preview shows how white text looks on a background with the CIELCh color 84, 27.867, 221.461.

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



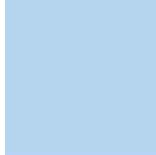


Tritanopia
84, 27.765, 217.936

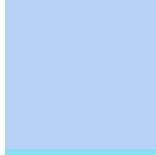
Trichromacy



Original Color
84, 27.867, 221.461



Protanomaly
84, 16.412, 249.717



Deuteranomaly
84, 20.301, 265.165

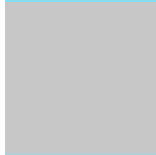


Tritanomaly
84, 27.863, 219.043

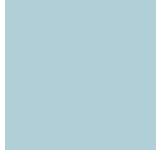
Monochromacy



Original Color
84, 27.867, 221.461



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 11.354, 220.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 27.867, 221.461 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(135, 222, 243)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 243)  
}
```

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(135, 222, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 27.867, 221.461 is called "border". The border property can be set on classes, ids or directly on the HTML element.

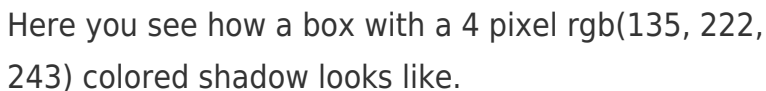
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 222, 243) }
```

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

```
.border{ border-color:rgb(135, 222, 243) }
```

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



Here you see how a box with a 4 pixel rgb(135, 222, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 222, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 222, 243);  
box-shadow:4px 4px 4px 4px rgb(135, 222,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 27.867, 221.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 243) }
```

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

```
.background{ background-color: rgb(135,  
222, 243) }
```

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