

Converting Colors

CIELCh(84, 21.611, 216.730)

Have a look what the booklet for
CIELCh(84, 21.611, 216.730)
contains.

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Color

CIElCh(84, 21.611, 216.730)

Conversions

Conversions Part 1

Format	Color
Hex	9BDCE9
RGB	155, 220, 233
RGB Percent	61%, 86%, 91%
CMY	0.3920, 0.1371, 0.0861
CMYK	0.33, 0.06, 0.00, 0.09
HSL	190°, 64%, 76%
HSV	190°, 33%, 91%
XYZ	53.8430, 64.0658, 86.6492
YIQ	202.0470, -42.9130, -9.7370

Conversions

Conversions Part 2

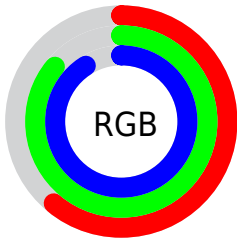
Format	Color
RYB	155, 190, 233
Decimal	10214633
CIELab	84.00, -17.32, -12.92
CIELCh	84, 21.611, 216.730
Yxy	64.0658, 0.2632, 0.3132
Android (android.graphics.Color)	4288404713 (0xFF9BDCE9)
YUV	202.0470, 15.2598, -41.2602
Hunter-Lab	80.0411, -19.9964, -8.1561

Details

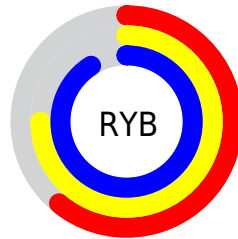
The CIELCh color **84, 21.611, 216.730** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 27.511, 36.075**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.367, 198.548**, and **64, 21.678, 215.911** is the 20% darker color. If you saturate the color by 10%, you get **82, 26.827, 217.445**, and if you desaturate by 10%, it is **86, 15.737, 216.241**.

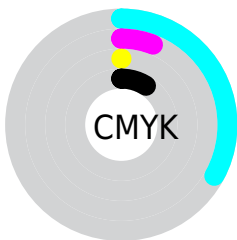
Distribution



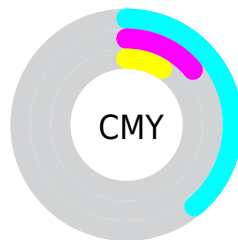
- Red (61%)
- Green (86%)
- Blue (91%)



- Red (61%)
- Yellow (75%)
- Blue (91%)



- Cyan (33%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)





- Cyan (39%)
- Magenta (14%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 21.611, 216.730 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, 21.611, 216.730 by changing the saturation by 10% instead.


 84, 21.611,
216.730


 84, 21.611,
216.730


 100, 21.611,
216.730


 74, 21.611,
216.730

 64, 21.611,
216.730

 54, 21.611,
216.730

 44, 21.611,
216.730

 34, 21.611,
216.730

 24, 21.611,
216.730

 14, 21.611,

216.730

■ 4, 21.611, 216.730

■ 0, 21.611, 216.730

■ 84, 21.611,
216.730

■ 84, 21.611,
216.730

■ 82, 26.827,
217.445

■ 86, 15.737,
216.241

■ 80, 31.275,
218.451

■ 89, 9.318, 215.952

■ 78, 34.867,
219.809

■ 91, 2.463, 215.963

■ 76, 37.553,
221.591

■ 94, 4.729, 35.518

■ 75, 39.342,

■ 96, 6.485, 49.980

■ 97, 6.713, 70.922

223.872

98, 7.726, 88.317

73, 40.325,
226.709

99, 9.267, 100.763

73, 40.681,
228.812

99, 11.112,
109.328

Harmonies

Complementary

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



84, 21.611, 216.730



75, 27.511, 36.075

Rectangle

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



84, 21.611, 216.730



84, 21.611, 266.730



84, 21.611, 36.730



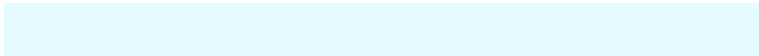
84, 21.611, 86.730

Sweetspot

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



84, 21.611, 216.726



97, 7.512, 215.900



86, 44.700, 146.274



51, 5.106, 215.918



0, 0.000, 0.000



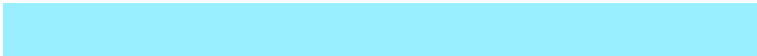
53, 0.007, 296.813

Same Dimension

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



84, 21.611, 216.726



89, 26.975, 217.181



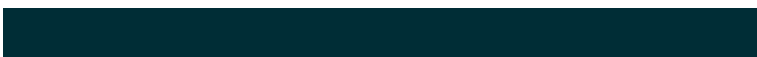
74, 28.442, 275.179



48, 3.995, 215.895



57, 33.669, 228.220



16, 14.458, 222.956

Inverse Universe

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



74, 44.274, 331.486



76, 56.566, 331.930



84, 28.854, 85.384



46, 7.537, 329.939



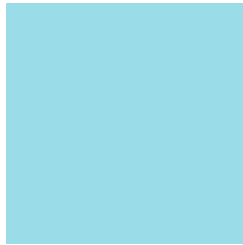
41, 78.483, 336.179



9, 34.241, 334.832

Previews

White Background



This preview shows how the CIELCh color 84, 21.611, 216.730 looks on a white background.

Color Contrast Check

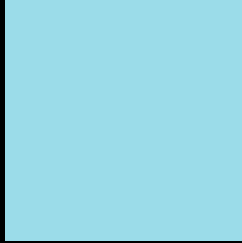
Large Text (above 18pt) WCAG AA × Fail

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, 21.611, 216.730 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, 21.611, 216.730

Background



This preview shows how black text looks on a background with the CIELCh color 84, 21.611, 216.730.

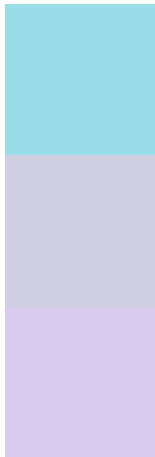


This preview shows how white text looks on a background with the CIELCh color 84, 21.611, 216.730.

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, 21.611, 216.730

Protanopia
84, 9.522, 293.109

Deuteranopia
84, 18.601, 305.625

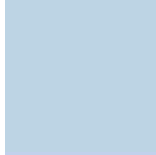


Tritanopia
84, 21.764, 224.259

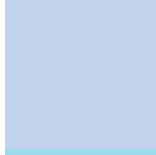
Trichromacy



Original Color
84, 21.611, 216.730



Protanomaly
84, 11.354, 247.286



Deuteranomaly
84, 14.996, 271.721

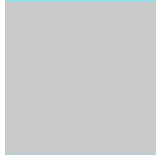


Tritanomaly
84, 21.604, 222.894

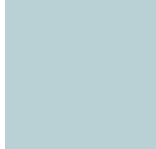
Monochromacy



Original Color
84, 21.611, 216.730



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 8.601, 213.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 21.611, 216.730 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(155, 220, 233)` looks like.

```
.text, #text, p{  
    color:rgb(155, 220, 233)  
}
```

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(155, 220, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 220, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 21.611, 216.730 is called "border". The border property can be set on classes, ids or directly on the HTML element.

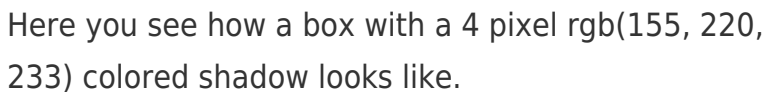
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 220, 233) }
```

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

```
.border{ border-color:rgb(155, 220, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 220, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 220, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 220, 233); box-shadow:4px 4px 4px 4px rgb(155, 220, 233) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 21.611, 216.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 220, 233) }
```

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

```
.background{ background-color: rgb(155,  
220, 233) }
```

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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