

Converting Colors

CIELCh(84, 22.675, 196.154)

Have a look what the booklet for
CIELCh(84, 22.675, 196.154)
contains.

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Color

CIElCh(84, 22.599, 196.518)

Conversions

Conversions Part 1

Format	Color
Hex	99DEDD
RGB	153, 222, 221
RGB Percent	60%, 87%, 87%
CMY	0.4009, 0.1304, 0.1343
CMYK	0.31, 0.00, 0.00, 0.13
HSL	179°, 51%, 73%
HSV	179°, 31%, 87%
XYZ	52.1640, 64.0658, 77.8498
YIQ	201.2550, -40.8030, -14.9390

Conversions

Conversions Part 2

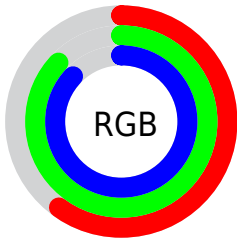
Format	Color
RYB	153, 188, 222
Decimal	10084061
CIELab	84.00, -21.67, -6.43
CIElCh	84, 22.599, 196.518
Yxy	64.0658, 0.2688, 0.3301
Android (android.graphics.Color)	4288274141 (0xFF99DEDD)
YUV	201.2550, 9.7343, -42.3196
Hunter-Lab	80.0411, -23.7409, -1.6380

Details

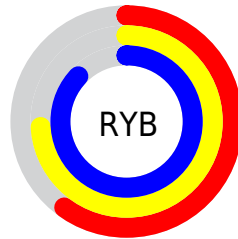
The CIELCh color **84, 22.599, 196.518** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 27.836, 20.959**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **64, 22.618, 196.075** is the 20% darker color. If you saturate the color by 10%, you get **83, 28.606, 196.040**, and if you desaturate by 10%, it is **85, 15.891, 197.037**.

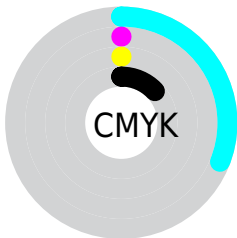
Distribution



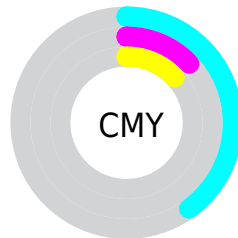
- Red (60%)
- Green (87%)
- Blue (87%)



- Red (60%)
- Yellow (74%)
- Blue (87%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)




- Cyan (40%)
- Magenta (13%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 22.599, 196.518 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, 22.599, 196.518 by changing the saturation by 10% instead.


 84, 22.599,
196.518

 84, 22.599,
196.518


 100, 22.599,
196.518


 74, 22.599,
196.518

 64, 22.599,
196.518

 54, 22.599,
196.518

 44, 22.599,
196.518

 34, 22.599,
196.518

 24, 22.599,
196.518

 14, 22.599,

196.518

■ 4, 22.599, 196.518

■ 0, 22.599, 196.518

■ 84, 22.599,
196.518

■ 84, 22.599,
196.518

■ 83, 28.606,
196.040

■ 85, 15.891,
197.037

■ 82, 33.789,
195.615

■ 87, 8.609, 197.618

■ 81, 38.051,
195.238

■ 88, 0.881, 198.805

■ 90, 7.175, 18.655

■ 81, 41.331,
194.908

■ 91, 12.210, 18.767

■ 81, 43.623,

■ 91, 12.209, 17.991

194.619

91, 12.210, 17.216

80, 44.984,
194.365

91, 12.213, 16.441

80, 45.592,
194.157

91, 12.219, 15.666

Harmonies

Complementary

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



84, 22.599, 196.518



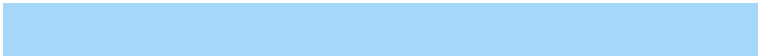
70, 27.836, 20.959

Rectangle

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



84, 22.599, 196.518



84, 22.599, 246.518



84, 22.599, 16.518



84, 22.599, 66.518

Sweetspot

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



84, 22.599, 196.515



98, 7.848, 197.750



83, 44.109, 141.852



52, 5.434, 197.655



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, 22.599, 196.515



94, 29.338, 196.216



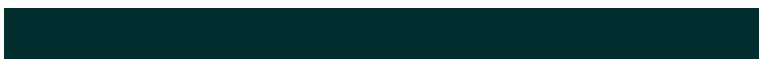
75, 20.992, 258.492



45, 4.376, 197.726



64, 37.937, 194.193



16, 15.207, 194.567

Inverse Universe

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



70, 27.836, 20.959



76, 37.876, 21.829



78, 23.103, 69.797



43, 4.638, 18.756



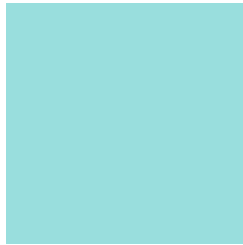
36, 77.607, 39.337



5, 23.817, 19.644

Previews

White Background



This preview shows how the CIE LCh color 84, 22.599, 196.518 looks on a white background.

Color Contrast Check

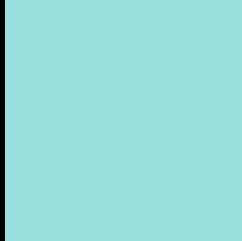
Large Text (above 18pt) WCAG AA × Fail

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, 22.599, 196.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

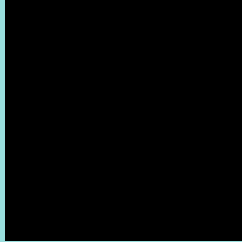
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

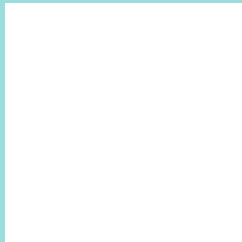
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 22.599, 196.518

Background



This preview shows how black text looks on a background with the CIELCh color 84, 22.599, 196.518.

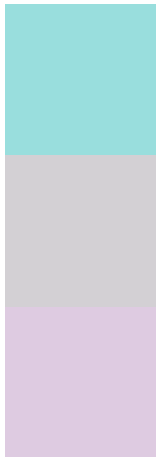


This preview shows how white text looks on a background with the CIELCh color 84, 22.599, 196.518.

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, 22.599, 196.518

Protanopia
84, 2.392, 317.290

Deuteranopia
84, 13.505, 321.118

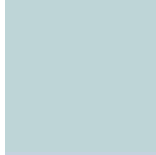


Tritanopia
84, 21.513, 224.599

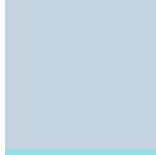
Trichromacy



Original Color
84, 22.599, 196.518



Protanomaly
84, 8.103, 206.411



Deuteranomaly
84, 8.130, 257.017

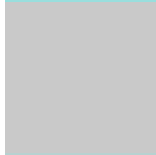


Tritanomaly
84, 21.437, 213.890

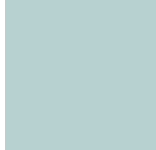
Monochromacy



Original Color
84, 22.599, 196.518



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 9.186, 195.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 22.599, 196.518 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(153, 222, 221)` looks like.

```
.text, #text, p{  
    color:rgb(153, 222, 221)  
}
```

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(153, 222, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 222, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 22.599, 196.518 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(153, 222, 221) }
```

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

```
.border{ border-color:rgb(153, 222, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 222, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 222, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 222, 221);  
box-shadow:4px 4px 4px 4px rgb(153, 222,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 22.599, 196.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 222, 221) }
```

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

```
.background{ background-color: rgb(153,  
222, 221) }
```

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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