

Converting Colors

CIELCh(84, 24.683, 198.978)

Have a look what the booklet for
CIELCh(84, 24.683, 198.978)
contains.

CIELCh(84, 24.688, 198.973)	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, 24.688, 198.973)

Conversions

Conversions Part 1

Format	Color
Hex	92DFE0
RGB	146, 223, 224
RGB Percent	57%, 87%, 88%
CMY	0.4286, 0.1266, 0.1227
CMYK	0.35, 0.00, 0.00, 0.12
HSL	181°, 55%, 72%
HSV	181°, 35%, 88%
XYZ	51.5242, 64.0658, 79.9598
YIQ	200.0910, -46.2130, -16.0130

Conversions

Conversions Part 2

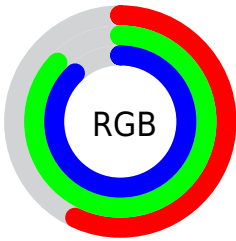
Format	Color
R _Y B	146, 185, 224
Decimal	9625568
CIE Lab	84.00, -23.35, -8.03
CIE LCh	84, 24.688, 198.973
Yxy	64.0658, 0.2635, 0.3276
Android (android.graphics.Color)	4287815648 (0xFF92DFE0)
YUV	200.0910, 11.7871, -47.4378
Hunter-Lab	80.0411, -25.1675, -3.2010

Details

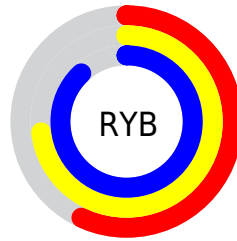
The CIELCh color `84, 24.688, 198.973` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `68, 31.559, 23.463`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `97, 17.181, 198.366`, and `64, 24.759, 198.649` is the 20% darker color. If you saturate the color by 10%, you get `83, 30.301, 198.658`, and if you desaturate by 10%, it is `85, 18.316, 199.353`.

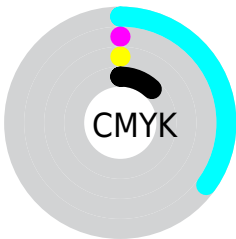
Distribution



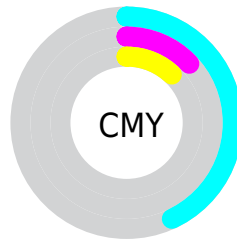
- Red (57%)
- Green (87%)
- Blue (88%)



- Red (57%)
- Yellow (73%)
- Blue (88%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (43%)
- Magenta (13%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 24.688, 198.973 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, 24.688, 198.973 by changing the saturation by 10% instead.


 84, 24.688,
198.973

 84, 24.688,
198.973


 100, 24.688,
198.973


 74, 24.688,
198.973

 64, 24.688,
198.973

 54, 24.688,
198.973

 44, 24.688,
198.973

 34, 24.688,
198.973

 24, 24.688,
198.973

 14, 24.688,

198.973

■ 4, 24.688, 198.973

■ 0, 24.688, 198.973

■ 84, 24.688,
198.973

■ 84, 24.688,
198.973

■ 83, 30.301,
198.658

■ 85, 18.316,
199.353

■ 82, 35.041,
198.424

■ 87, 11.310,
199.807

■ 81, 38.824,
198.274

■ 88, 3.799, 200.395

■ 81, 41.610,
198.210

■ 90, 4.097, 20.612

■ 92, 11.311, 21.279

■ 80, 43.414,

198.233

92, 11.211, 22.030

80, 44.324,
198.340

92, 11.112, 22.795

80, 44.565,
198.416

92, 11.015, 23.574

92, 10.921, 24.366

Harmonies

Complementary

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



84, 24.688, 198.973



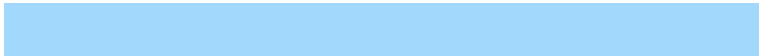
68, 31.559, 23.463

Rectangle

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



84, 24.688, 198.973



84, 24.688, 248.973



84, 24.688, 18.973



84, 24.688, 68.973

Sweetspot

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



84, 24.688, 198.970



98, 8.574, 200.057



83, 49.942, 141.893



52, 5.828, 199.980



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, 24.688, 198.970



94, 31.954, 198.731



74, 24.018, 261.171



46, 4.396, 200.092



64, 37.258, 198.384



17, 15.349, 198.053

Inverse Universe

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



71, 49.471, 326.679



76, 65.701, 327.056



78, 26.501, 71.064



44, 8.084, 325.283



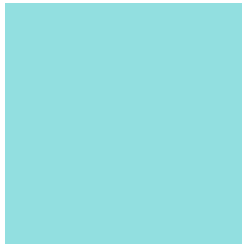
42, 86.621, 328.745



8, 35.622, 328.655

Previews

White Background



This preview shows how the CIE LCh color 84, 24.688, 198.973 looks on a white background.

Color Contrast Check

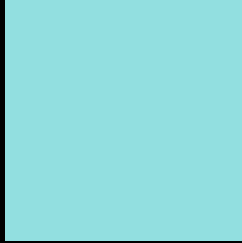
Large Text (above 18pt) WCAG AA × Fail

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, 24.688, 198.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

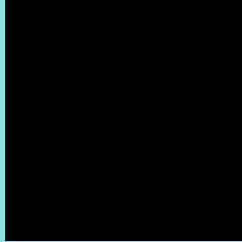
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 24.688, 198.973

Background



This preview shows how black text looks on a background with the CIELCh color 84, 24.688, 198.973.

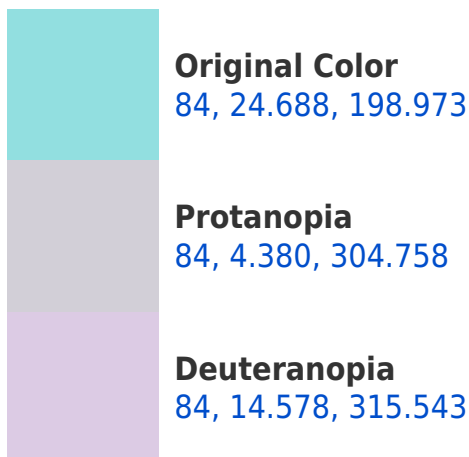



This preview shows how white text looks on a background with the CIELCh color 84, 24.688, 198.973.

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



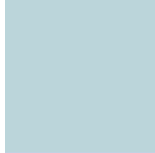


Tritanopia
84, 23.742, 221.817

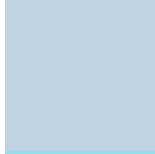
Trichromacy



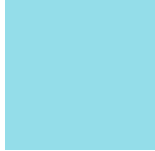
Original Color
84, 24.688, 198.973



Protanomaly
84, 9.332, 215.336



Deuteranomaly
83, 10.149, 255.769

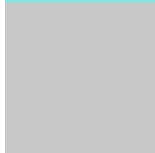


Tritanomaly
84, 23.626, 213.601

Monochromacy



Original Color
84, 24.688, 198.973



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 9.804, 201.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 24.688, 198.973 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(146, 223, 224)` looks like.

```
.text, #text, p{  
    color:rgb(146, 223, 224)  
}
```

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(146, 223, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 223, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 24.688, 198.973 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(146, 223, 224) }
```

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

```
.border{ border-color:rgb(146, 223, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 223, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 223, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 223, 224);  
box-shadow:4px 4px 4px 4px rgb(146, 223,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 24.688, 198.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 223, 224) }
```

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

```
.background{ background-color: rgb(146,  
223, 224) }
```

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