

Converting Colors

CIELCh(84, 12.889, 223.120)

Have a look what the booklet for
CIELCh(84, 12.889, 223.120)
contains.

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Color

CIELCh(84, 13.108, 222.492)

Conversions

Conversions Part 1

Format	Color
Hex	B4D8E2
RGB	180, 216, 226
RGB Percent	71%, 85%, 89%
CMY	0.2955, 0.1543, 0.1151
CMYK	0.20, 0.04, 0.00, 0.12
HSL	193°, 44%, 79%
HSV	193°, 20%, 88%
XYZ	56.8874, 64.0658, 81.0651
YIQ	206.3760, -24.6660, -4.5220

Conversions

Conversions Part 2

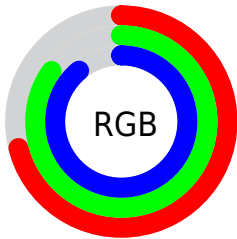
Format	Color
R_{YB}	180, 200, 226
Decimal	11852002
CIE _{Lab}	84.00, -9.67, -8.85
CIE _{LCh}	84, 13.108, 222.492
Yxy	64.0658, 0.2816, 0.3171
Android (android.graphics.Color)	4290042082 (0xFFB4D8E2)
YUV	206.3760, 9.6746, -23.1318
Hunter-Lab	80.0411, -13.2070, -4.0198

Details

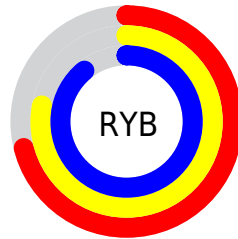
The CIELCh color **84, 13.108, 222.492** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **80, 14.975, 41.015**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **64, 13.250, 223.505** is the 20% darker color. If you saturate the color by 10%, you get **81, 18.896, 223.225**, and if you desaturate by 10%, it is **87, 6.865, 221.980**.

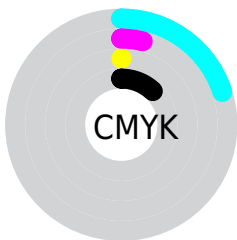
Distribution



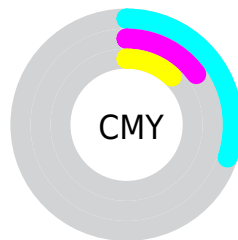
- Red (71%)
- Green (85%)
- Blue (89%)



- Red (71%)
- Yellow (78%)
- Blue (89%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)





- Cyan (30%)
- Magenta (15%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 13.108, 222.492 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, 13.108, 222.492 by changing the saturation by 10% instead.


 84, 13.108,
222.492

 84, 13.108,
222.492


 100, 13.108,
222.492


 74, 13.108,
222.492

 64, 13.108,
222.492

 54, 13.108,
222.492

 44, 13.108,
222.492

 34, 13.108,
222.492

 24, 13.108,
222.492

 14, 13.108,

222.492

■ 4, 13.108, 222.492

■ 0, 13.108, 222.492

■ 84, 13.108,
222.492

■ 84, 13.108,
222.492

■ 81, 18.896,
223.225

■ 87, 6.865, 221.980

■ 79, 24.131,
224.237

■ 90, 0.261, 223.774

■ 93, 6.623, 41.170

■ 76, 28.713,
225.587

■ 94, 8.727, 54.055

■ 74, 32.560,
227.352

■ 96, 9.176, 73.400

■ 97, 10.526, 89.265

■ 72, 35.622,

229.621

98, 12.480,
100.787

70, 37.903,
232.481

99, 14.793,
108.895

69, 39.484,
236.001

99, 14.851,
109.055

67, 40.564,
239.931

Harmonies

Complementary

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



84, 13.108, 222.492



80, 14.975, 41.015

Rectangle

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



84, 13.108, 222.492



84, 13.108, 272.492



84, 13.108, 42.492



84, 13.108, 92.492

Sweetspot

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



84, 13.108, 222.484



98, 4.429, 221.857



86, 25.307, 149.668



52, 2.933, 221.869



0, 0.000, 0.000



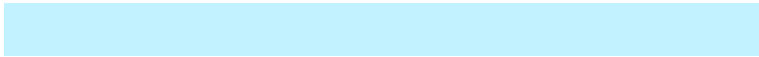
53, 0.007, 296.813

Same Dimension

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



84, 13.108, 222.484



93, 16.843, 222.735



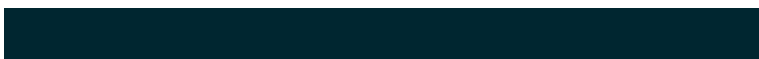
78, 18.074, 277.762



46, 3.747, 221.947



53, 33.594, 239.160



13, 13.570, 231.484

Inverse Universe

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



78, 25.412, 332.446



85, 33.064, 332.706



85, 17.948, 92.394



44, 7.010, 331.709



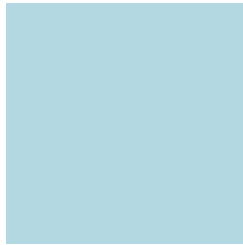
40, 74.011, 339.182



7, 31.015, 337.033

Previews

White Background



This preview shows how the CIE LCh color 84, 13.108, 222.492 looks on a white background.

Color Contrast Check

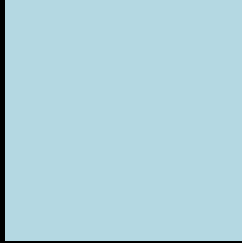
Large Text (above 18pt) WCAG AA × Fail

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, 13.108, 222.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

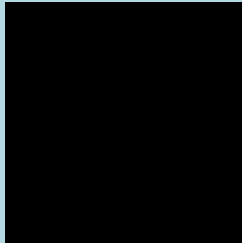
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

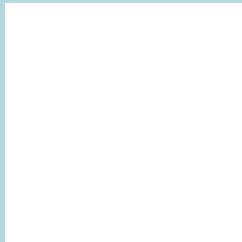
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 13.108, 222.492

Background



This preview shows how black text looks on a background with the CIELCh color 84, 13.108, 222.492.



This preview shows how white text looks on a background with the CIELCh color 84, 13.108, 222.492.

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](#).

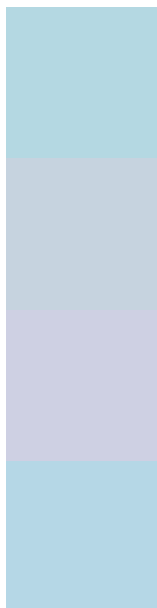
Dichromacy





Tritanopia
84, 14.236, 238.012

Trichromacy



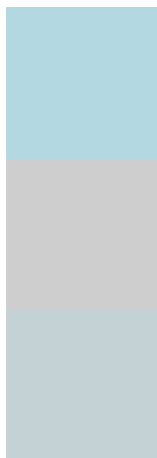
Original Color
84, 13.108, 222.492

Protanomaly
84, 7.697, 254.732

Deuteranomaly
84, 10.042, 287.068

Tritanomaly
84, 13.670, 234.293

Monochromacy



Original Color
84, 13.108, 222.492

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 5.178, 217.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 13.108, 222.492 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(180, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(180, 216, 226)  
}
```

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(180, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 216, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 13.108, 222.492 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(180, 216, 226) }
```

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

```
.border{ border-color:rgb(180, 216, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(180, 216,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 13.108, 222.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 216, 226) }
```

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

```
.background{ background-color: rgb(180,  
216, 226) }
```

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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