

Converting Colors

CIELCh(84, 11.505, 228.738)

Have a look what the booklet for
CIELCh(84, 11.505, 228.738)
contains.

CIELCh(84, 11.319, 229.804)	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, 11.319, 229.804)

Conversions

Conversions Part 1

Format	Color
Hex	B9D6E1
RGB	185, 214, 225
RGB Percent	73%, 84%, 88%
CMY	0.2733, 0.1595, 0.1164
CMYK	0.18, 0.05, 0.00, 0.12
HSL	196°, 40%, 81%
HSV	196°, 18%, 88%
XYZ	57.8487, 64.0658, 80.7859
YIQ	206.5830, -20.8150, -2.7270

Conversions

Conversions Part 2

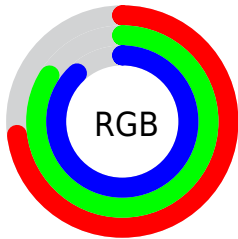
Format	Color
RYB	185, 202, 225
Decimal	12179169
CIELab	84.00, -7.31, -8.65
CIELCh	84, 11.319, 229.804
Yxy	64.0658, 0.2854, 0.3161
Android (android.graphics.Color)	4290369249 (0xFFB9D6E1)
YUV	206.5830, 9.0796, -18.9283
Hunter-Lab	80.0411, -11.0633, -3.8129

Details

The CIELCh color `84, 11.319, 229.804` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `81, 12.585, 47.506`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.823, 199.237`, and `64, 11.474, 231.197` is the 20% darker color. If you saturate the color by 10%, you get `81, 17.199, 230.811`, and if you desaturate by 10%, it is `87, 5.063, 229.059`.

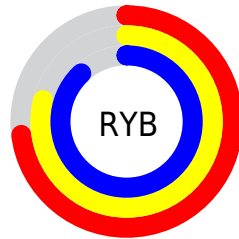
Distribution



Red (73%)

Green (84%)

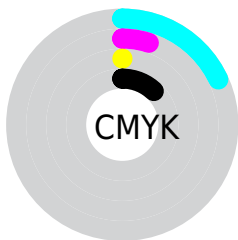
Blue (88%)



Red (73%)

Yellow (79%)

Blue (88%)

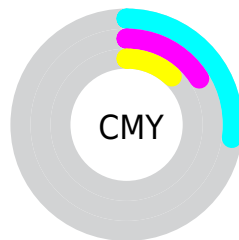


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (12%)



Cyan (27%)


Magenta (16%)

Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 11.319, 229.804 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, 11.319, 229.804 by changing the saturation by 10% instead.


 84, 11.319,
229.804


 84, 11.319,
229.804


 100, 11.319,
229.804


 74, 11.319,
229.804

 64, 11.319,
229.804

 54, 11.319,
229.804

 44, 11.319,
229.804

 34, 11.319,
229.804

 24, 11.319,
229.804

 14, 11.319,

229.804

■ 4, 11.319, 229.804

■ 0, 11.319, 229.804

■ 84, 11.319,
229.804

■ 84, 11.319,
229.804

■ 81, 17.199,
230.811

■ 87, 5.063, 229.059

■ 78, 22.619,
232.137

■ 90, 1.489, 47.956

■ 75, 27.494,
233.841

■ 94, 8.268, 47.801

■ 73, 31.754,
236.011

■ 95, 9.121, 70.051

■ 70, 35.358,

■ 97, 10.761, 90.164

■ 98, 13.329,
103.664

238.741

99, 15.011,
109.043

68, 38.317,
242.118

66, 40.714,
246.195

64, 42.732,
250.919

63, 43.188,
251.994

Harmonies

Complementary

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



84, 11.319, 229.804



81, 12.585, 47.506

Rectangle

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



84, 11.319, 229.804



84, 11.319, 279.804



84, 11.319, 49.804



84, 11.319, 99.804

Sweetspot

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



84, 11.319, 229.795



98, 3.631, 228.936



86, 21.211, 151.696



52, 2.473, 228.961



0, 0.000, 0.000



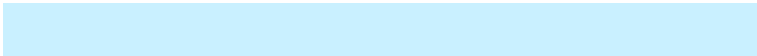
53, 0.007, 296.813

Same Dimension

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



84, 11.319, 229.795



93, 14.666, 230.108



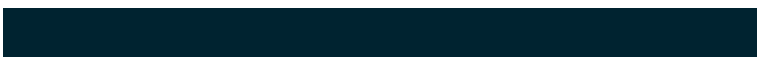
79, 16.622, 280.671



45, 3.681, 229.160



50, 35.677, 251.106



12, 13.940, 241.916

Inverse Universe

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



79, 21.216, 334.488



87, 27.776, 334.736



86, 16.380, 96.216



44, 6.728, 333.891



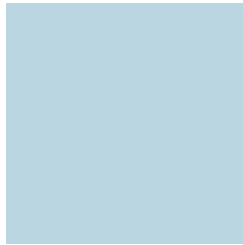
39, 71.083, 343.009



7, 29.857, 340.017

Previews

White Background



This preview shows how the CIE LCh color 84, 11.319, 229.804 looks on a white background.

Color Contrast Check

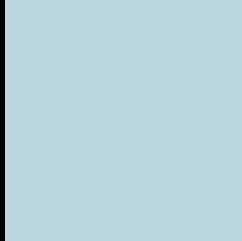
Large Text (above 18pt) WCAG AA × Fail

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, 11.319, 229.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

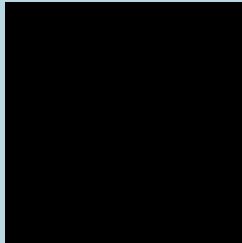
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

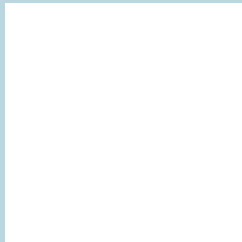
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 11.319, 229.804

Background



This preview shows how black text looks on a background with the CIELCh color 84, 11.319, 229.804.

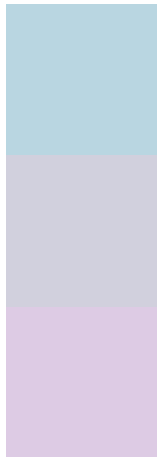


This preview shows how white text looks on a background with the CIELCh color 84, 11.319, 229.804.

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

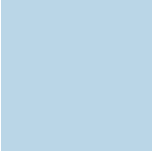
84, 11.319, 229.804

Protanopia

84, 6.880, 293.722

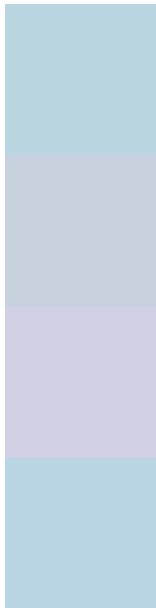
Deuteranopia

84, 14.728, 316.813



Tritanopia
84, 12.816, 243.508

Trichromacy



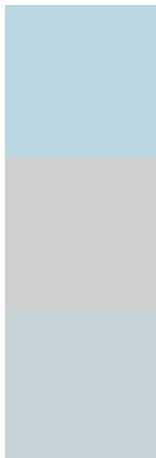
Original Color
84, 11.319, 229.804

Protanomaly
84, 7.629, 263.572

Deuteranomaly
84, 10.577, 292.979

Tritanomaly
84, 12.162, 239.649

Monochromacy



Original Color
84, 11.319, 229.804

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 4.403, 227.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 11.319, 229.804 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(185, 214, 225)` looks like.

```
.text, #text, p{  
    color:rgb(185, 214, 225)  
}
```

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(185, 214, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 214, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 11.319, 229.804 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(185, 214, 225) }
```

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

```
.border{ border-color:rgb(185, 214, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 214, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 214, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 214, 225);  
box-shadow:4px 4px 4px 4px rgb(185, 214,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 11.319, 229.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 214, 225) }
```

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

```
.background{ background-color: rgb(185,  
214, 225) }
```

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