

Converting Colors

CIELCh(84, 10.700, 216.015)

Have a look what the booklet for
CIELCh(84, 10.700, 216.015)
contains.

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Color

CIELCh(84, 10.707, 216.017)

Conversions

Conversions Part 1

Format	Color
Hex	B9D7DD
RGB	185, 215, 221
RGB Percent	73%, 84%, 87%
CMY	0.2749, 0.1572, 0.1337
CMYK	0.16, 0.03, 0.00, 0.13
HSL	190°, 35%, 80%
HSV	190°, 16%, 87%
XYZ	57.2955, 64.0658, 77.6810
YIQ	206.7140, -19.8060, -4.4940

Conversions

Conversions Part 2

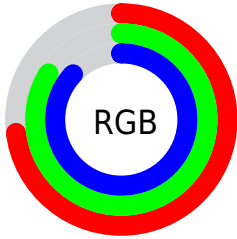
Format	Color
RYB	185, 201, 221
Decimal	12179421
CIELab	84.00, -8.66, -6.30
CIELCh	84, 10.707, 216.017
Yxy	64.0658, 0.2879, 0.3219
Android (android.graphics.Color)	4290369501 (0xFFB9D7DD)
YUV	206.7140, 7.0430, -19.0432
Hunter-Lab	80.0411, -12.2970, -1.5130

Details

The CIELCh color `84, 10.707, 216.017` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `80, 11.927, 35.636`, 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, 10.800, 216.725` is the 20% darker color. If you saturate the color by 10%, you get `82, 16.720, 216.347`, and if you desaturate by 10%, it is `86, 4.250, 215.882`.

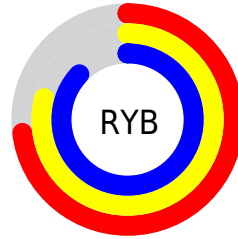
Distribution



Red (73%)

Green (84%)

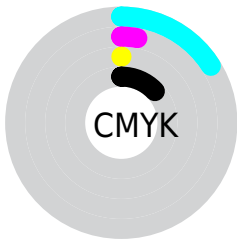
Blue (87%)



Red (73%)

Yellow (79%)

Blue (87%)

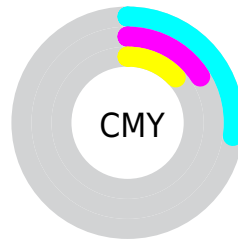


Cyan (16%)

Magenta (3%)

Yellow (0%)

Black (13%)



Cyan (27%)


Magenta (16%)

Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 10.707, 216.017 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, 10.707, 216.017 by changing the saturation by 10% instead.

 84, 10.707,
216.017

 84, 10.707,
216.017


 100, 10.707,
216.017


 74, 10.707,
216.017

 64, 10.707,
216.017

 54, 10.707,
216.017

 44, 10.707,
216.017

 34, 10.707,
216.017

 24, 10.707,
216.017

 14, 10.707,

216.017

■ 4, 10.707, 216.017

■ 0, 10.707, 216.017

■ 84, 10.707,
216.017

■ 84, 10.707,
216.017

■ 82, 16.720,
216.347

■ 86, 4.250, 215.882

■ 79, 22.184,
216.889

■ 89, 2.554, 35.419

■ 77, 26.989,
217.677

■ 92, 9.623, 35.588

■ 76, 31.037,
218.766

■ 93, 10.368, 45.471

■ 74, 34.251,

■ 94, 10.215, 58.197

■ 95, 10.570, 70.646

220.223

96, 11.384, 81.762

72, 36.595,
222.122

97, 12.564, 91.060

71, 38.097,
224.533

97, 14.014, 98.565

70, 38.870,
227.504

69, 39.072,
228.686

Harmonies

Complementary

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



84, 10.707, 216.017



80, 11.927, 35.636

Rectangle

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



84, 10.707, 216.017



84, 10.707, 266.017



84, 10.707, 36.017



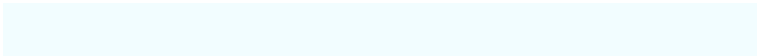
84, 10.707, 86.017

Sweetspot

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



84, 10.707, 216.007



99, 3.805, 215.899



85, 20.852, 147.772



52, 2.591, 215.888



0, 0.000, 0.000



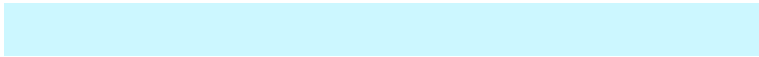
53, 0.007, 296.813

Same Dimension

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



84, 10.707, 216.007



94, 14.589, 216.116



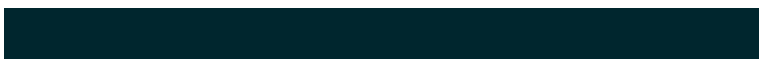
79, 13.106, 272.059



45, 3.780, 215.888



55, 32.608, 228.094



13, 13.152, 221.932

Inverse Universe

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



79, 20.664, 330.370



88, 28.529, 330.617



84, 13.189, 87.686



43, 7.130, 329.933



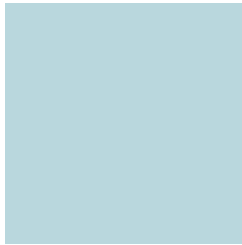
40, 76.045, 336.146



7, 30.736, 334.518

Previews

White Background



This preview shows how the CIE LCh color 84, 10.707, 216.017 looks on a white background.

Color Contrast Check

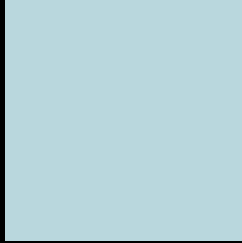
Large Text (above 18pt) WCAG AA × Fail

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, 10.707, 216.017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

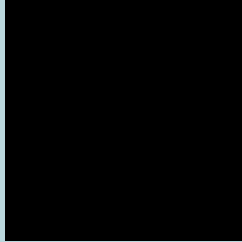
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

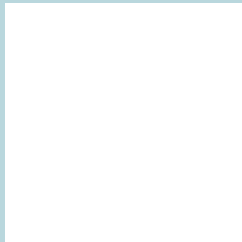
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 10.707, 216.017

Background



This preview shows how black text looks on a background with the CIELCh color 84, 10.707, 216.017.

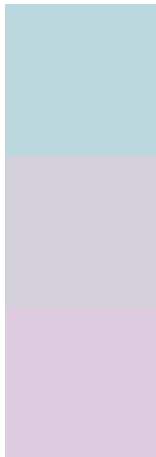


This preview shows how white text looks on a background with the CIELCh color 84, 10.707, 216.017.

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, 10.707, 216.017

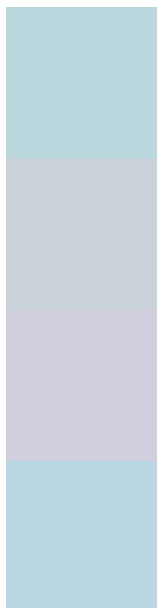
Protanopia
84, 4.889, 303.260

Deuteranopia
84, 12.810, 324.912



Tritanopia
84, 12.371, 245.642

Trichromacy



Original Color
84, 10.707, 216.017

Protanomaly
84, 4.827, 249.320

Deuteranomaly
84, 7.968, 295.947

Tritanomaly
84, 11.567, 235.383

Monochromacy



Original Color
84, 10.707, 216.017

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 4.040, 214.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 10.707, 216.017 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, 215, 221)` looks like.

```
.text, #text, p{  
    color:rgb(185, 215, 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(185, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 215, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 10.707, 216.017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

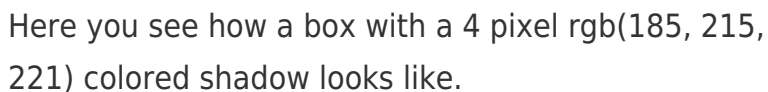
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 215, 221) }
```

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

```
.border{ border-color:rgb(185, 215, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 215, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(185, 215,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 10.707, 216.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 215, 221) }
```

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

```
.background{ background-color: rgb(185,  
215, 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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