

Converting Colors

CIELCh(85, 13.828, 216.355)

Have a look what the booklet for
CIELCh(85, 13.828, 216.355)
contains.

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Color

CIELCh(85, 13.688, 216.578)

Conversions

Conversions Part 1

Format	Color
Hex	B4DBE3
RGB	180, 219, 227
RGB Percent	71%, 86%, 89%
CMY	0.2936, 0.1406, 0.1093
CMYK	0.21, 0.04, 0.00, 0.11
HSL	190°, 46%, 80%
HSV	190°, 21%, 89%
XYZ	58.1045, 66.0070, 82.4505
YIQ	208.2510, -25.8120, -5.7800

Conversions

Conversions Part 2

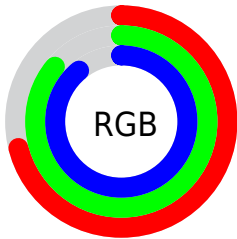
Format	Color
RYB	180, 201, 227
Decimal	11852771
CIELab	85.00, -10.99, -8.16
CIELCh	85, 13.688, 216.578
Yxy	66.0070, 0.2813, 0.3196
Android (android.graphics.Color)	4290042851 (0xFFB4DBE3)
YUV	208.2510, 9.2433, -24.7761
Hunter-Lab	81.2447, -14.5189, -3.2986

Details

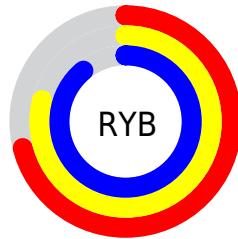
The CIELCh color **85, 13.688, 216.578** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **79, 15.746, 36.067**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **65, 13.814, 217.269** is the 20% darker color. If you saturate the color by 10%, you get **83, 19.592, 217.020**, and if you desaturate by 10%, it is **87, 7.285, 216.319**.

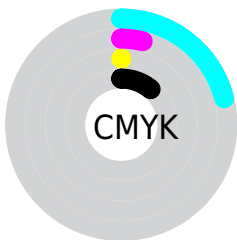
Distribution



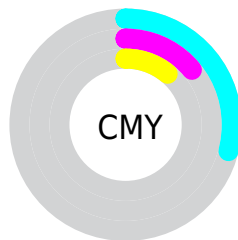
- Red (71%)
- Green (86%)
- Blue (89%)



- Red (71%)
- Yellow (79%)
- Blue (89%)



- Cyan (21%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)





- Cyan (29%)
- Magenta (14%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 13.688, 216.578 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 85, 13.688, 216.578 by changing the saturation by 10% instead.


 85, 13.688,
216.578


 85, 13.688,
216.578


 100, 13.688,
216.578


 75, 13.688,
216.578

 65, 13.688,
216.578

 55, 13.688,
216.578

 45, 13.688,
216.578

 35, 13.688,
216.578

 25, 13.688,
216.578

 15, 13.688,

216.578

■ 5, 13.688, 216.578

■ 0, 13.688, 216.578

■ 85, 13.688,
216.578

■ 85, 13.688,
216.578

■ 83, 19.592,
217.020

■ 87, 7.285, 216.319

■ 80, 24.887,
217.692

■ 90, 0.486, 217.322

■ 93, 6.619, 35.934

■ 78, 29.464,
218.640

■ 94, 8.355, 46.961

■ 77, 33.229,
219.926

■ 95, 8.348, 63.481

■ 96, 9.009, 78.725

■ 75, 36.123,

221.621

97, 10.204, 91.097

73, 38.136,
223.803

98, 11.767,
100.489

72, 39.333,
226.536

99, 13.567,
107.496

71, 39.915,
229.536

Harmonies

Complementary

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



85, 13.688, 216.578



79, 15.746, 36.067

Rectangle

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



85, 13.688, 216.578



85, 13.688, 266.578



85, 13.688, 36.578



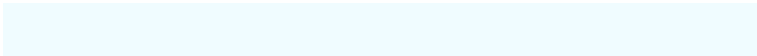
85, 13.688, 86.578

Sweetspot

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



85, 13.688, 216.571



98, 4.544, 216.293



86, 26.795, 147.959



52, 3.009, 216.290



0, 0.000, 0.000



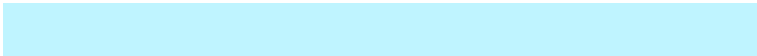
53, 0.007, 296.813

Same Dimension

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



85, 13.688, 216.571



93, 17.891, 216.746



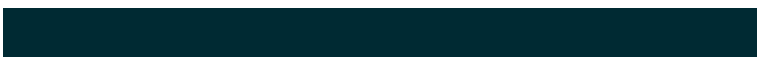
79, 17.406, 274.108



47, 3.915, 216.303



57, 33.324, 228.949



15, 14.014, 223.280

Inverse Universe

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



79, 26.811, 330.776



85, 35.589, 331.065



85, 17.485, 88.483



45, 7.384, 330.056



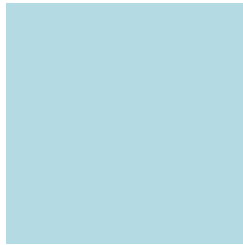
41, 77.465, 336.369



8, 33.163, 334.914

Previews

White Background



This preview shows how the CIELCh color 85, 13.688, 216.578 looks on a white background.

Color Contrast Check

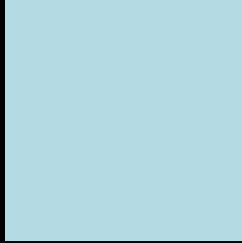
Large Text (above 18pt) WCAG AA × Fail

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 85, 13.688, 216.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

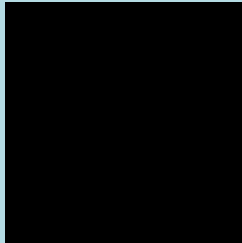
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

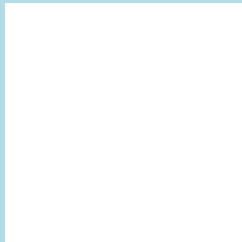
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 13.688, 216.578

Background



This preview shows how black text looks on a background with the CIELCh color 85, 13.688, 216.578.



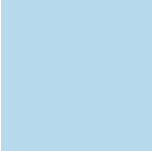
This preview shows how white text looks on a background with the CIELCh color 85, 13.688, 216.578.

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](#).

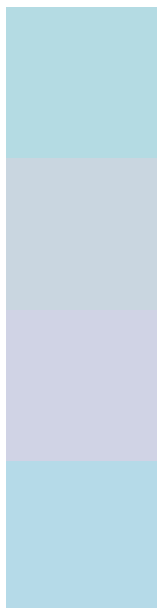
Dichromacy





Tritanopia
85, 14.703, 236.406

Trichromacy



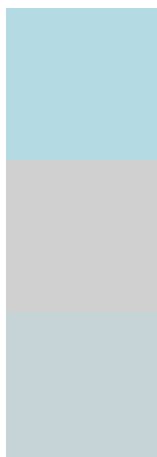
Original Color
85, 13.688, 216.578

Protanomaly
85, 6.870, 249.352

Deuteranomaly
85, 9.517, 284.696

Tritanomaly
85, 14.186, 230.136

Monochromacy



Original Color
85, 13.688, 216.578

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 5.169, 217.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 13.688, 216.578 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, 219, 227)` looks like.

```
.text, #text, p{  
    color:rgb(180, 219, 227)  
}
```

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, 219, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 219, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 13.688, 216.578 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, 219, 227) }
```

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

```
.border{ border-color:rgb(180, 219, 227) }
```

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

Here you see how a box with a 4 pixel rgb(180, 219, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 219, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 219, 227);  
box-shadow:4px 4px 4px 4px rgb(180, 219,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 13.688, 216.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 219, 227) }
```

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

```
.background{ background-color: rgb(180,  
219, 227) }
```

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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