

Converting Colors

CIELCh(87, 13.776, 183.596)

Have a look what the booklet for
CIELCh(87, 13.776, 183.596)
contains.

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Color

CIELCh(87, 13.760, 183.000)

Conversions

Conversions Part 1	
Format	Color
Hex	BCE2DB
RGB	188, 226, 219
RGB Percent	74%, 89%, 86%
CMY	0.2638, 0.1148, 0.1422
CMYK	0.17, 0.00, 0.03, 0.11
HSL	169°, 39%, 81%
HSV	169°, 17%, 89%
XYZ	60.5499, 70.0064, 77.1561
YIQ	213.8400, -20.4010, -10.2330

Conversions

Conversions Part 2

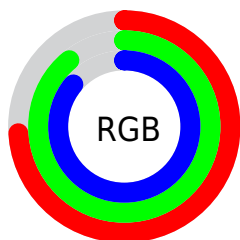
Format	Color
RYB	188, 209, 226
Decimal	12378843
CIELab	87.00, -13.74, -0.72
CIELCh	87, 13.760, 183.000
Yxy	70.0064, 0.2915, 0.3370
Android (android.graphics.Color)	4290568923 (0xFFBCE2DB)
YUV	213.8400, 2.5439, -22.6617
Hunter-Lab	83.6698, -17.2459, 3.8946

Details

The CIELCh color **87, 13.760, 183.000** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **80, 14.770, 6.087**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.457, 199.378**, and **67, 14.031, 182.183** is the 20% darker color. If you saturate the color by 10%, you get **86, 21.487, 182.029**, and if you desaturate by 10%, it is **89, 5.670, 183.959**.

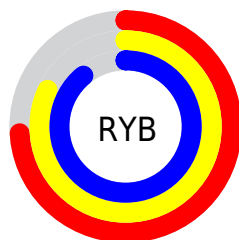
Distribution



Red (74%)

Green (89%)

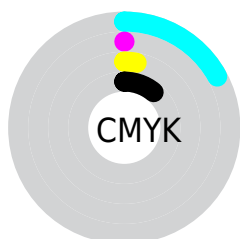
Blue (86%)



Red (74%)

Yellow (82%)

Blue (89%)

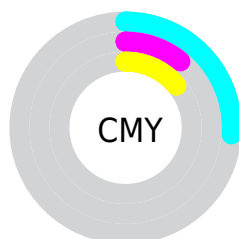


Cyan (17%)

Magenta (0%)

Yellow (3%)

Black (11%)



Cyan (26%)


Magenta (11%)


Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 13.760, 183.000 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 87, 13.760, 183.000 by changing the saturation by 10% instead.

 87, 13.760,
183.000

 87, 13.760,
183.000


 100, 13.760,
183.000

 77, 13.760,
183.000


 67, 13.760,
183.000

 57, 13.760,
183.000

 47, 13.760,
183.000

 37, 13.760,
183.000


 27, 13.760,
183.000


 17, 13.760,


183.000

 7, 13.760, 183.000


 0, 13.760, 183.000

 87, 13.760,
183.000

 87, 13.760,
183.000


 86, 21.487,
182.029


 89, 5.670, 183.959


 84, 28.709,
181.015


 90, 2.663, 4.516

 92, 10.969, 5.274

 83, 35.287,
179.933

 92, 11.653,
355.021

 82, 41.087,
178.764

 92, 12.674,
346.183

 82, 46.001,

177.484

93, 13.958,
338.842

81, 49.966,
176.072

93, 15.438,
332.852

81, 52.985,
174.505

93, 17.064,
327.986

81, 55.149,
172.775

93, 18.299,
325.060

81, 55.747,
172.219

Harmonies

Complementary

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



87, 13.760, 183.000



80, 14.770, 6.087

Rectangle

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



87, 13.760, 183.000



87, 13.760, 233.000



87, 13.760, 3.000



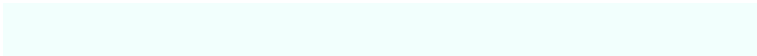
87, 13.760, 53.000

Sweetspot

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



87, 13.761, 182.994



99, 4.590, 184.153



87, 22.832, 138.000



53, 3.129, 184.074



0, 0.000, 0.000



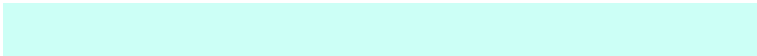
53, 0.007, 296.813

Same Dimension

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



87, 13.761, 182.994



96, 17.939, 182.679



84, 10.754, 233.004



46, 4.674, 183.699



64, 46.098, 172.538



17, 18.242, 175.799

Inverse Universe

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



80, 14.770, 6.087



87, 19.541, 6.479



82, 11.831, 50.447



44, 4.861, 5.268



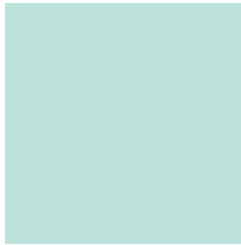
37, 70.952, 30.403



6, 25.282, 13.142

Previews

White Background



This preview shows how the CIE LCh color 87, 13.760, 183.000 looks on a white background.

Color Contrast Check

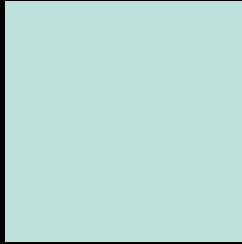
Large Text (above 18pt) WCAG AA × Fail

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 87, 13.760, 183.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

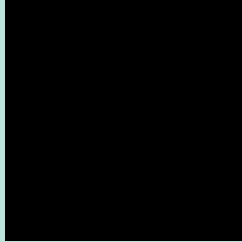
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

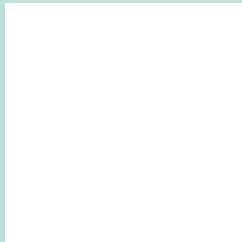
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 13.760, 183.000

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.760, 183.000.

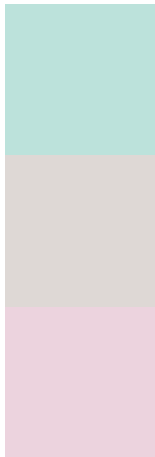


This preview shows how white text looks on a background with the CIELCh color 87, 13.760, 183.000.

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
87, 13.760, 183.000

Protanopia
87, 2.671, 55.179

Deuteranopia
87, 10.756, 347.917



Tritanopia
87, 13.543, 243.228

Trichromacy



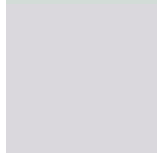
Original Color

87, 13.760, 183.000



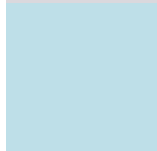
Protanomaly

87, 4.462, 163.376



Deuteranomaly

87, 2.733, 305.578



Tritanomaly

87, 12.004, 221.965

Monochromacy



Original Color

87, 13.760, 183.000



Achromatopsia

86, 0.010, 296.813



Achromatomaly

86, 5.103, 187.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.760, 183.000 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(188, 226, 219)` looks like.

```
.text, #text, p{  
    color:rgb(188, 226, 219)  
}
```

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(188, 226, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 226, 219) }
```

Border

The CSS property to change the border of an element to CIElCh 87, 13.760, 183.000 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(188, 226, 219) }
```

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

```
.border{ border-color:rgb(188, 226, 219) }
```

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

Here you see how a box with a 4 pixel rgb(188, 226, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 226, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 226, 219);  
box-shadow:4px 4px 4px 4px rgb(188, 226,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.760, 183.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 226, 219) }
```

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

```
.background{ background-color: rgb(188,  
226, 219) }
```

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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