

Converting Colors

CIELCh(87, 12.832, 198.598)

Have a look what the booklet for
CIELCh(87, 12.832, 198.598)
contains.

CIELCh(87, 12.679, 198.576)	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(87, 12.679, 198.576)

Conversions

Conversions Part 1

Format	Color
Hex	BCE1E1
RGB	188, 225, 225
RGB Percent	74%, 88%, 88%
CMY	0.2626, 0.1175, 0.1175
CMYK	0.16, 0.00, 0.00, 0.12
HSL	180°, 38%, 81%
HSV	180°, 16%, 88%
XYZ	61.2802, 70.0064, 81.5453
YIQ	213.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

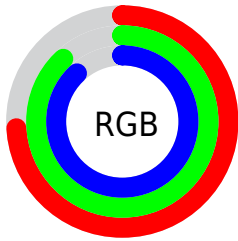
Format	Color
R _Y B	188, 207, 225
Decimal	12378593
CIE Lab	87.00, -12.02, -4.04
CIE LCh	87, 12.679, 198.576
Yxy	70.0064, 0.2879, 0.3289
Android (android.graphics.Color)	4290568673 (0xFFBCE1E1)
YUV	213.9370, 5.4541, -22.7467
Hunter-Lab	83.6698, -15.6879, 0.7844

Details

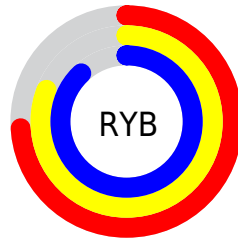
The CIELCh color $87, 12.679, 198.576$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $79, 14.109, 20.506$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 3.457, 199.378$, and $67, 12.823, 198.354$ is the 20% darker color. If you saturate the color by 10%, you get $86, 19.724, 198.074$, and if you desaturate by 10%, it is $88, 5.104, 199.161$.

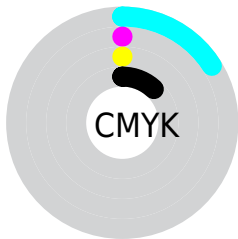
Distribution



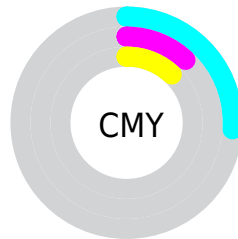
- Red (74%)
- Green (88%)
- Blue (88%)



- Red (74%)
- Yellow (81%)
- Blue (88%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)





- Cyan (26%)
- Magenta (12%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 12.679, 198.576 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, 12.679, 198.576 by changing the saturation by 10% instead.


 87, 12.679,
198.576


 87, 12.679,
198.576


 100, 12.679,
198.576


 77, 12.679,
198.576

 67, 12.679,
198.576

 57, 12.679,
198.576

 47, 12.679,
198.576

 37, 12.679,
198.576

 27, 12.679,
198.576

 17, 12.679,

198.576

■ 7, 12.679, 198.576

■ 0, 12.679, 198.576

■ 87, 12.679,
198.576

■ 87, 12.679,
198.576

■ 86, 19.724,
198.074

■ 88, 5.104, 199.161

■ 85, 26.104,
197.641

■ 90, 2.880, 19.391

■ 84, 31.695,
197.270

■ 92, 10.953, 20.117

■ 83, 36.387,
196.964

■ 92, 10.953, 20.112

■ 82, 40.103,

■ 92, 10.953, 20.107

■ 92, 10.953, 20.102

196.724

92, 10.953, 20.097

82, 42.813,
196.551

92, 10.953, 20.091

82, 44.546,
196.441

92, 10.953, 20.086

81, 45.409,
196.386

81, 45.602,
196.373

Harmonies

Complementary

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



87, 12.679, 198.576



79, 14.109, 20.506

Rectangle

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



87, 12.679, 198.576



87, 12.679, 248.576



87, 12.679, 18.576



87, 12.679, 68.576

Sweetspot

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



87, 12.680, 198.569



99, 4.397, 199.270



86, 23.591, 143.003



53, 2.995, 199.213



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, 12.680, 198.569



97, 16.872, 198.378



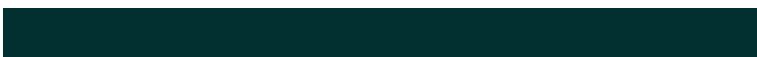
82, 11.362, 255.878



46, 4.454, 198.963



65, 37.942, 196.373



17, 15.586, 196.375

Inverse Universe

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



79, 14.109, 20.506



86, 19.269, 20.845



84, 11.908, 71.576



44, 4.728, 19.926



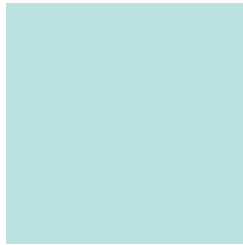
36, 79.110, 39.949



6, 25.541, 20.935

Previews

White Background



This preview shows how the CIE LCh color 87, 12.679, 198.576 looks on a white background.

Color Contrast Check

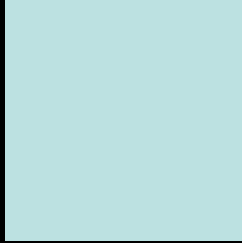
Large Text (above 18pt) WCAG AA × Fail

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, 12.679, 198.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

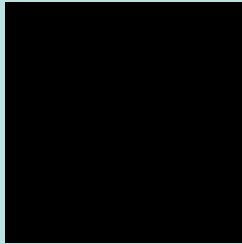
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

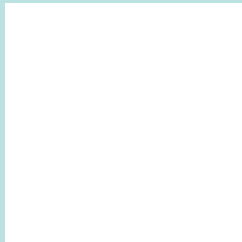
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 12.679, 198.576

Background



This preview shows how black text looks on a background with the CIELCh color 87, 12.679, 198.576.

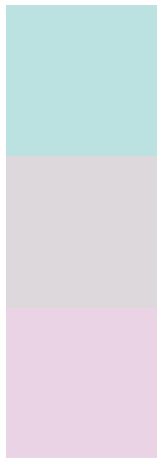


This preview shows how white text looks on a background with the CIELCh color 87, 12.679, 198.576.

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

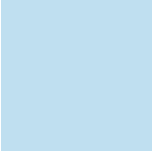
87, 12.679, 198.576

Protanopia

87, 2.562, 324.434

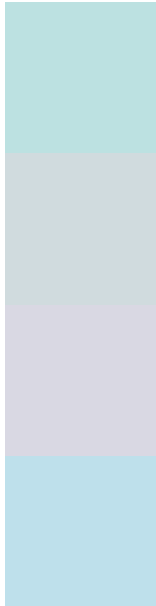
Deuteranopia

87, 12.174, 333.370



Tritanopia
87, 13.682, 239.617

Trichromacy



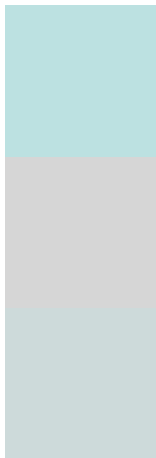
Original Color
87, 12.679, 198.576

Protanomaly
87, 4.163, 221.495

Deuteranomaly
87, 5.786, 294.167

Tritanomaly
87, 12.657, 225.917

Monochromacy



Original Color
87, 12.679, 198.576

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 4.608, 199.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 12.679, 198.576 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, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(188, 225, 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(188, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 225, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 12.679, 198.576 is called "border". The border property can be set on classes, ids or directly on the HTML element.

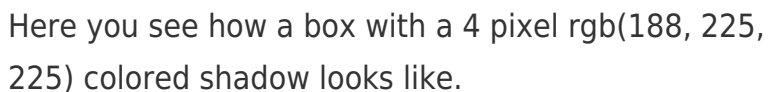
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 225, 225) }
```

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

```
.border{ border-color:rgb(188, 225, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 225, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 225, 225); box-shadow:4px 4px 4px 4px rgb(188, 225, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 12.679, 198.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 225, 225) }
```

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

```
.background{ background-color: rgb(188,  
225, 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](#).

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