

Converting Colors

CIELCh(87, 13.013, 198.637)

Have a look what the booklet for
CIELCh(87, 13.013, 198.637)
contains.

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Color

CIELCh(87, 13.004, 198.553)

Conversions

Conversions Part 1

Format	Color
Hex	BBE1E1
RGB	187, 225, 225
RGB Percent	73%, 88%, 88%
CMY	0.2658, 0.1168, 0.1168
CMYK	0.17, 0.00, 0.00, 0.12
HSL	180°, 39%, 81%
HSV	180°, 17%, 88%
XYZ	61.1484, 70.0064, 81.6781
YIQ	213.6380, -22.6480, -8.0560

Conversions

Conversions Part 2

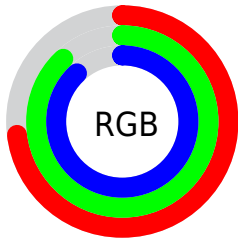
Format	Color
R_{YB}	187, 206, 225
Decimal	12313057
CIE _{Lab}	87.00, -12.33, -4.14
CIE _{LCh}	87, 13.004, 198.553
Yxy	70.0064, 0.2873, 0.3289
Android (android.graphics.Color)	4290503137 (0xFFBBE1E1)
YUV	213.6380, 5.6015, -23.3615
Hunter-Lab	83.6698, -15.9690, 0.6902

Details

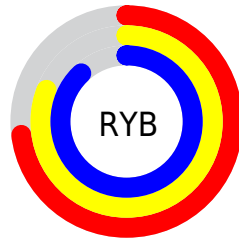
The CIELCh color **87, 13.004, 198.553** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **79, 14.514, 20.544**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.799, 199.339**, and **67, 13.154, 198.325** is the 20% darker color. If you saturate the color by 10%, you get **86, 20.027, 198.054**, and if you desaturate by 10%, it is **88, 5.444, 199.130**.

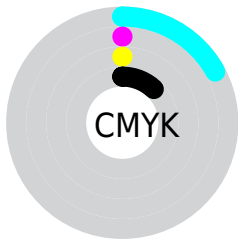
Distribution



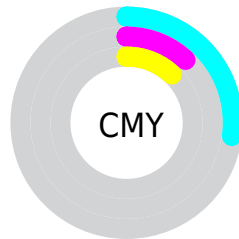
- Red (73%)
- Green (88%)
- Blue (88%)



- Red (73%)
- Yellow (81%)
- Blue (88%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (27%)
- Magenta (12%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 13.004, 198.553 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, 13.004, 198.553 by changing the saturation by 10% instead.

■ 87, 13.004,
198.553

■ 87, 13.004,
198.553

■ 100, 13.004,
198.553

■ 77, 13.004,
198.553

■ 67, 13.004,
198.553

■ 57, 13.004,
198.553

■ 47, 13.004,
198.553

■ 37, 13.004,
198.553

■ 27, 13.004,
198.553

■ 17, 13.004,

198.553

■ 7, 13.004, 198.553

■ 0, 13.004, 198.553

■ 87, 13.004,
198.553

■ 87, 13.004,
198.553

■ 86, 20.027,
198.054

■ 88, 5.444, 199.130

■ 85, 26.380,
197.624

■ 90, 2.530, 19.337

■ 84, 31.938,
197.256

■ 92, 10.803, 20.105

■ 83, 36.591,
196.952

■ 92, 10.886, 20.107

■ 82, 40.266,

■ 92, 10.886, 20.101

■ 92, 10.886, 20.096

196.715

92, 10.886, 20.091

82, 42.934,
196.545

92, 10.886, 20.086

82, 44.627,
196.437

92, 10.886, 20.081

82, 45.459,
196.384

82, 45.629,
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, 13.004, 198.553



79, 14.514, 20.544

Rectangle

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



87, 13.004, 198.553



87, 13.004, 248.553



87, 13.004, 18.553



87, 13.004, 68.553

Sweetspot

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



87, 13.005, 198.546



99, 4.397, 199.270



86, 24.230, 142.973



53, 2.995, 199.213



0, 0.000, 0.000



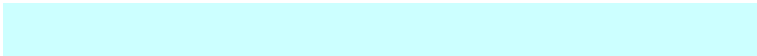
53, 0.007, 296.813

Same Dimension

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



87, 13.005, 198.546



97, 16.872, 198.378



82, 11.664, 255.946



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, 14.514, 20.544



86, 19.269, 20.845



84, 12.242, 71.524



44, 4.728, 19.926



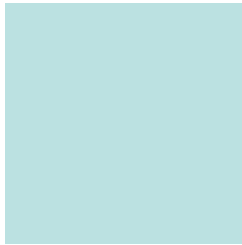
36, 79.110, 39.949



6, 25.541, 20.935

Previews

White Background



This preview shows how the CIE LCh color 87, 13.004, 198.553 looks on a white background.

Color Contrast Check

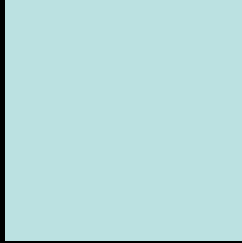
Large Text (above 18pt) WCAG AA × Fail

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, 13.004, 198.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

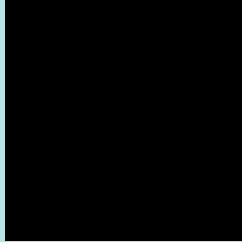
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

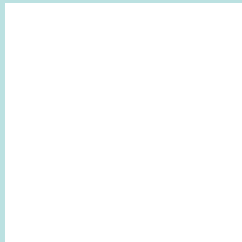
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 13.004, 198.553

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.004, 198.553.

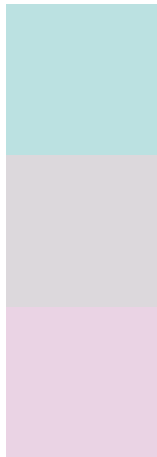


This preview shows how white text looks on a background with the CIELCh color 87, 13.004, 198.553.

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, 13.004, 198.553

Protanopia

87, 2.562, 324.434

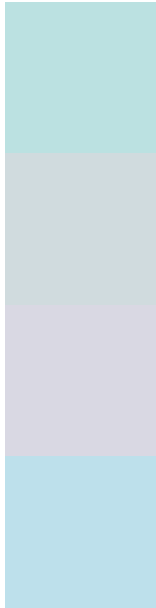
Deuteranopia

87, 12.174, 333.370



Tritanopia
87, 14.231, 240.508

Trichromacy



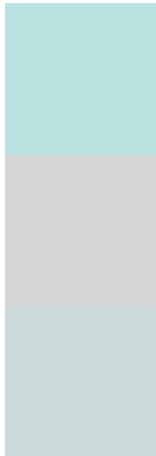
Original Color
87, 13.004, 198.553

Protanomaly
87, 4.163, 221.495

Deuteranomaly
87, 5.786, 294.167

Tritanomaly
87, 12.942, 225.256

Monochromacy



Original Color
87, 13.004, 198.553

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 4.957, 199.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.004, 198.553 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(187, 225, 225)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 225, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 225, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.004, 198.553 is called "border". The border property can be set on classes, ids or directly on the HTML element.

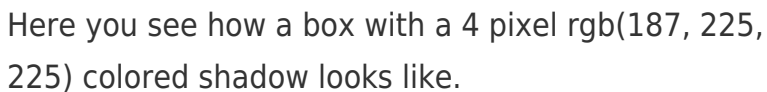
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 225, 225) }
```

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

```
.border{ border-color:rgb(187, 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(187, 225, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 225, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 225, 225); box-shadow:4px 4px 4px 4px rgb(187, 225, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.004, 198.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 225, 225) }
```

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

```
.background{ background-color: rgb(187,  
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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