

Converting Colors

CIELCh(87, 8.853, 199.483)

Have a look what the booklet for
CIELCh(87, 8.853, 199.483) contains.

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Color

CIELCh(87, 9.047, 198.839)

Conversions

Conversions Part 1

Format	Color
Hex	C5DFDF
RGB	197, 223, 223
RGB Percent	77%, 87%, 87%
CMY	0.2273, 0.1253, 0.1253
CMYK	0.12, 0.00, 0.00, 0.13
HSL	180°, 29%, 82%
HSV	180°, 12%, 87%
XYZ	62.7629, 70.0064, 80.0491
YIQ	215.2260, -15.4960, -5.5120

Conversions

Conversions Part 2

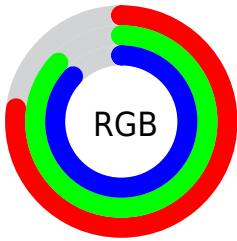
Format	Color
RYB	197, 210, 223
Decimal	12967903
CIELab	87.00, -8.56, -2.92
CIELCh	87, 9.047, 198.839
Yxy	70.0064, 0.2949, 0.3289
Android (android.graphics.Color)	4291157983 (0xFFC5DFDF)
YUV	215.2260, 3.8326, -15.9842
Hunter-Lab	83.6698, -12.5247, 1.8446

Details

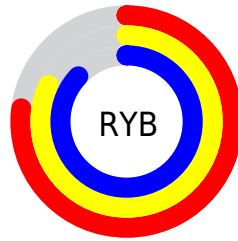
The CIELCh color **87, 9.047, 198.839** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 9.745, 20.099**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.347, 201.292**, and **67, 9.096, 198.675** is the 20% darker color. If you saturate the color by 10%, you get **86, 16.311, 198.299**, and if you desaturate by 10%, it is **89, 1.318, 199.756**.

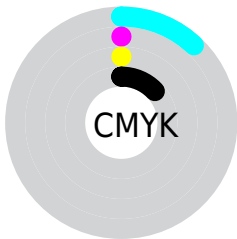
Distribution



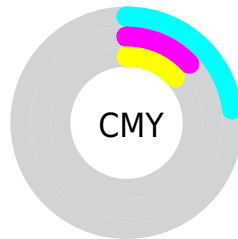
- Red (77%)
- Green (87%)
- Blue (87%)



- Red (77%)
- Yellow (82%)
- Blue (87%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (23%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 9.047, 198.839 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, 9.047, 198.839 by changing the saturation by 10% instead.

■ 87, 9.047, 198.839

■ 87, 9.047, 198.839

■ 100, 9.047,
198.839

■ 77, 9.047, 198.839

■ 67, 9.047, 198.839

■ 57, 9.047, 198.839

■ 47, 9.047, 198.839

■ 37, 9.047, 198.839

■ 27, 9.047, 198.839

■ 17, 9.047, 198.839

■ 7, 9.047, 198.839

■ 0, 9.047, 198.839

87, 9.047, 198.839

87, 9.047, 198.839

86, 16.311,
198.299

89, 1.318, 199.756

84, 22.978,
197.837

90, 6.762, 19.786

83, 28.920,
197.436

91, 11.719, 20.175

83, 34.020,
197.098

91, 11.718, 20.167

82, 38.182,
196.826

91, 11.718, 20.160

81, 41.354,
196.621

91, 11.718, 20.153

81, 43.535,
196.481

91, 11.718, 20.145

81, 44.790,
196.400

91, 11.718, 20.138

91, 11.718, 20.131

■ 81, 45.299,
196.366

Harmonies

Complementary

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



87, 9.047, 198.839



82, 9.745, 20.099

Rectangle

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



87, 9.047, 198.839



87, 9.047, 248.839



87, 9.047, 18.839



87, 9.047, 68.839

Sweetspot

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



87, 9.048, 198.828



99, 2.650, 199.476



86, 16.568, 143.330



53, 2.005, 199.379



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, 9.048, 198.828



98, 12.029, 198.691



84, 8.024, 255.170



46, 4.454, 198.959



65, 37.943, 196.366



17, 15.586, 196.369

Inverse Universe

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



82, 9.745, 20.099



90, 13.171, 20.301



85, 8.282, 72.144



44, 4.728, 19.922



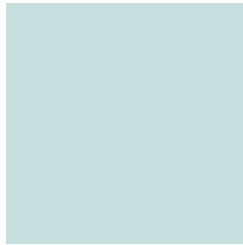
36, 79.108, 39.947



6, 25.541, 20.933

Previews

White Background



This preview shows how the CIELCh color 87, 9.047, 198.839 looks on a white background.

Color Contrast Check

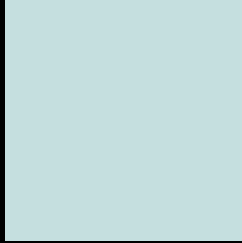
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 9.047, 198.839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

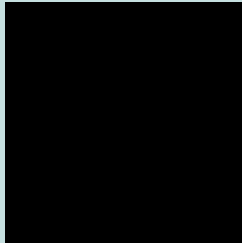
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

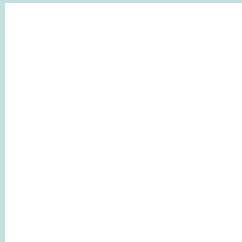
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 9.047, 198.839

Background



This preview shows how black text looks on a background with the CIELCh color 87, 9.047, 198.839.



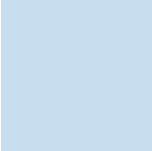
This preview shows how white text looks on a background with the CIELCh color 87, 9.047, 198.839.

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](#).

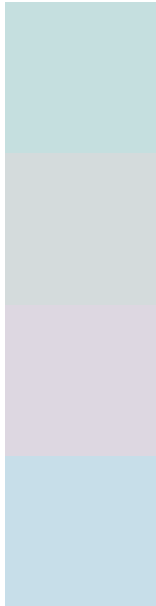
Dichromacy





Tritanopia
87, 11.242, 251.644

Trichromacy



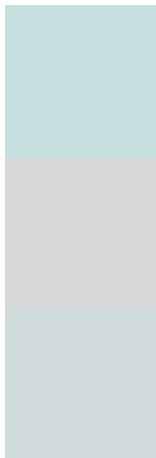
Original Color
87, 9.047, 198.839

Protanomaly
87, 2.538, 211.376

Deuteranomaly
87, 5.691, 312.638

Tritanomaly
87, 9.624, 235.862

Monochromacy



Original Color
87, 9.047, 198.839

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 3.556, 199.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 9.047, 198.839 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(197, 223, 223)` looks like.

```
.text, #text, p{  
    color:rgb(197, 223, 223)  
}
```

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(197, 223, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 223, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 9.047, 198.839 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(197, 223, 223) }
```

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

```
.border{ border-color:rgb(197, 223, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 223, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 223, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 223, 223);  
box-shadow:4px 4px 4px 4px rgb(197, 223,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 9.047, 198.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 223, 223) }
```

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

```
.background{ background-color: rgb(197,  
223, 223) }
```

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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