

Converting Colors

CIELCh(87, 6.842, 201.290)

Have a look what the booklet for
CIELCh(87, 6.842, 201.290) contains.

CIELCh(87, 7.013, 198.998)	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, 7.013, 198.998)

Conversions

Conversions Part 1

Format	Color
Hex	CADEDE
RGB	202, 222, 222
RGB Percent	79%, 87%, 87%
CMY	0.2082, 0.1298, 0.1298
CMYK	0.09, 0.00, 0.00, 0.13
HSL	180°, 23%, 83%
HSV	180°, 9%, 87%
XYZ	63.6018, 70.0064, 79.2028
YIQ	216.0200, -11.9200, -4.2400

Conversions

Conversions Part 2

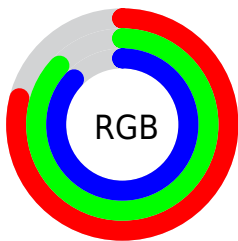
Format	Color
R_{YB}	202, 212, 222
Decimal	13295326
CIE _{Lab}	87.00, -6.63, -2.28
CIE _{LCh}	87, 7.013, 198.998
Yxy	70.0064, 0.2989, 0.3290
Android (android.graphics.Color)	4291485406 (0xFFCADEDE)
YUV	216.0200, 2.9481, -12.2955
Hunter-Lab	83.6698, -10.7349, 2.4443

Details

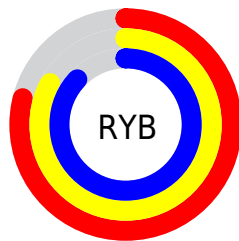
The CIELCh color `87, 7.013, 198.998` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83, 7.424, 19.885`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 6.987, 198.869` is the 20% darker color. If you saturate the color by 10%, you get `86, 14.382, 198.429`, and if you desaturate by 10%, it is `89, 0.787, 18.690`.

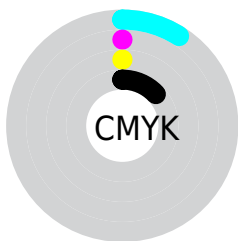
Distribution



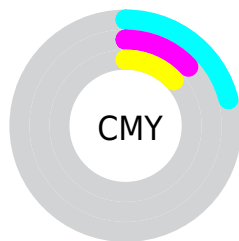
- Red (79%)
- Green (87%)
- Blue (87%)



- Red (79%)
- Yellow (83%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (21%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 7.013, 198.998 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, 7.013, 198.998 by changing the saturation by 10% instead.

■ 87, 7.013, 198.998

■ 87, 7.013, 198.998

■ 100, 7.013,
198.998

■ 77, 7.013, 198.998

■ 67, 7.013, 198.998

■ 57, 7.013, 198.998

■ 47, 7.013, 198.998

■ 37, 7.013, 198.998

■ 27, 7.013, 198.998

■ 17, 7.013, 198.998

■ 7, 7.013, 198.998

■ 0, 7.013, 198.998

87, 7.013, 198.998

87, 7.013, 198.998

86, 14.382,
198.429

89, 0.787, 18.690

84, 21.192,
197.951

90, 8.907, 19.960

83, 27.313,
197.534

91, 12.158, 20.207

82, 32.626,
197.178

91, 12.158, 20.198

82, 37.027,
196.888

91, 12.158, 20.189

81, 40.451,
196.665

91, 12.157, 20.180

81, 42.883,
196.508

91, 12.157, 20.171

81, 44.368,
196.411

91, 12.157, 20.163

91, 12.157, 20.154

■ 80, 45.072,
196.364

Harmonies

Complementary

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



87, 7.013, 198.998



83, 7.424, 19.885

Rectangle

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



87, 7.013, 198.998



87, 7.013, 248.998



87, 7.013, 18.998



87, 7.013, 68.998

Sweetspot

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



87, 7.014, 198.984



99, 2.650, 199.473



87, 12.733, 143.503



53, 2.005, 199.376



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, 7.014, 198.984



98, 9.531, 198.859



84, 6.189, 254.810



46, 4.454, 198.956



65, 37.944, 196.361



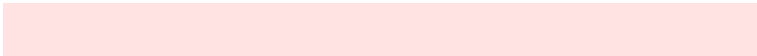
17, 15.586, 196.365

Inverse Universe

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



83, 7.424, 19.885



92, 10.226, 20.050



85, 6.334, 72.449



44, 4.728, 19.920



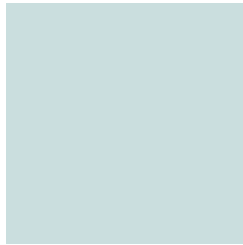
36, 79.106, 39.946



6, 25.540, 20.932

Previews

White Background



This preview shows how the CIELCh color 87, 7.013, 198.998 looks on a white background.

Color Contrast Check

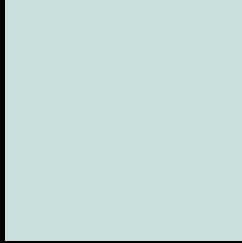
Large Text (above 18pt) WCAG AA × Fail

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, 7.013, 198.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

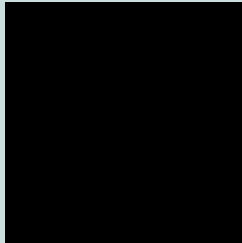
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

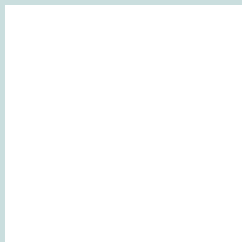
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 7.013, 198.998

Background



This preview shows how black text looks on a background with the CIELCh color 87, 7.013, 198.998.



This preview shows how white text looks on a background with the CIELCh color 87, 7.013, 198.998.

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](#).

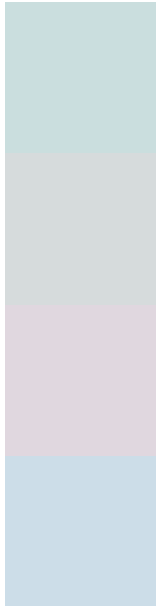
Dichromacy





Tritanopia
87, 10.158, 260.628

Trichromacy



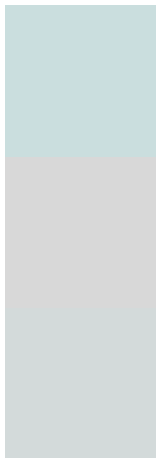
Original Color
87, 7.013, 198.998

Protanomaly
87, 1.852, 216.026

Deuteranomaly
87, 5.321, 327.787

Tritanomaly
87, 8.116, 244.451

Monochromacy



Original Color
87, 7.013, 198.998

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 2.497, 199.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 7.013, 198.998 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(202, 222, 222)` looks like.

```
.text, #text, p{  
    color:rgb(202, 222, 222)  
}
```

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(202, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 222, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 7.013, 198.998 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(202, 222, 222) }
```

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

```
.border{ border-color:rgb(202, 222, 222) }
```

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

Here you see how a box with a 4 pixel rgb(202, 222, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 222, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 222, 222);  
box-shadow:4px 4px 4px 4px rgb(202, 222,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 7.013, 198.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 222, 222) }
```

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

```
.background{ background-color: rgb(202,  
222, 222) }
```

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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