

Converting Colors

CIELCh(87, 7.897, 223.691)

Have a look what the booklet for
CIELCh(87, 7.897, 223.691) contains.

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Color

CIELCh(87, 7.851, 222.647)

Conversions

Conversions Part 1

Format	Color
Hex	C9DEE4
RGB	201, 222, 228
RGB Percent	79%, 87%, 89%
CMY	0.2131, 0.1308, 0.1073
CMYK	0.12, 0.03, 0.00, 0.11
HSL	193°, 33%, 84%
HSV	193°, 12%, 89%
XYZ	63.9762, 70.0064, 83.2813
YIQ	216.4050, -14.4420, -2.5860

Conversions

Conversions Part 2

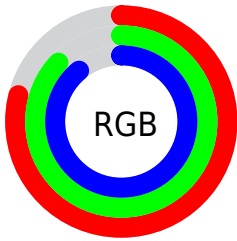
Format	Color
R _Y B	201, 213, 228
Decimal	13229796
CIE Lab	87.00, -5.77, -5.32
CIE LCh	87, 7.851, 222.647
Yxy	70.0064, 0.2945, 0.3222
Android (android.graphics.Color)	4291419876 (0xFFC9DDE4)
YUV	216.4050, 5.7163, -13.5102
Hunter-Lab	83.6698, -9.9364, -0.4458

Details

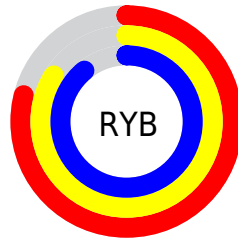
The CIELCh color `87, 7.851, 222.647` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 8.451, 41.664`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `67, 7.874, 223.868` is the 20% darker color. If you saturate the color by 10%, you get `84, 14.068, 223.199`, and if you desaturate by 10%, it is `90, 1.261, 222.599`.

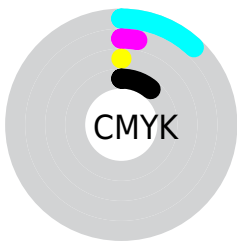
Distribution



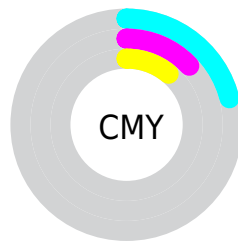
- Red (79%)
- Green (87%)
- Blue (89%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (21%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 7.851, 222.647 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, 7.851, 222.647 by changing the saturation by 10% instead.

■ 87, 7.851, 222.647

■ 87, 7.851, 222.647

■ 100, 7.851,
222.647

■ 77, 7.851, 222.647

■ 67, 7.851, 222.647

■ 57, 7.851, 222.647

■ 47, 7.851, 222.647

■ 37, 7.851, 222.647

■ 27, 7.851, 222.647

■ 17, 7.851, 222.647

■ 7, 7.851, 222.647

■ 0, 7.851, 222.647

87, 7.851, 222.647

87, 7.851, 222.647

84, 14.068,
223.199

90, 1.261, 222.599

82, 19.816,
224.007

93, 5.620, 41.732

79, 24.996,
225.102

95, 8.108, 55.019

77, 29.512,
226.552

96, 8.680, 76.185

74, 33.285,
228.437

97, 10.229, 92.728

72, 36.273,
230.850

99, 12.385,
104.159

70, 38.493,
233.875

99, 13.841,
109.132

69, 40.041,
237.573

■ 67, 40.993,
240.994

Harmonies

Complementary

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



87, 7.851, 222.647



85, 8.451, 41.664

Rectangle

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



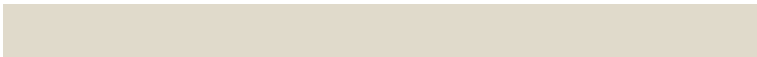
87, 7.851, 222.647



87, 7.851, 272.647



87, 7.851, 42.647



87, 7.851, 92.647

Sweetspot

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



87, 7.851, 222.632



99, 2.961, 222.428



88, 14.786, 150.343



52, 2.100, 222.423



0, 0.000, 0.000



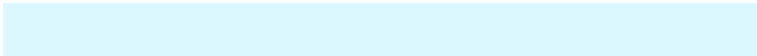
53, 0.007, 296.813

Same Dimension

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



87, 7.851, 222.632



96, 10.104, 222.738



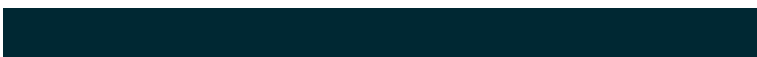
84, 10.496, 276.479



47, 3.809, 222.534



54, 34.080, 240.235



14, 14.035, 232.816

Inverse Universe

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



84, 14.782, 332.047



91, 19.162, 332.197



88, 10.445, 93.457



45, 7.116, 331.885



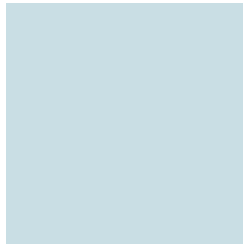
40, 74.533, 339.498



8, 32.061, 337.399

Previews

White Background



This preview shows how the CIELCh color 87, 7.851, 222.647 looks on a white background.

Color Contrast Check

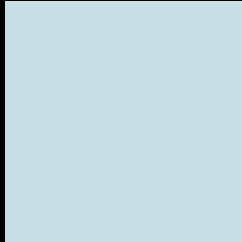
Large Text (above 18pt) WCAG AA × Fail

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, 7.851, 222.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

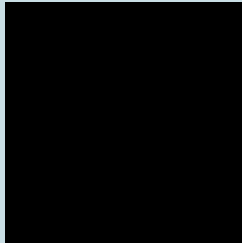
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

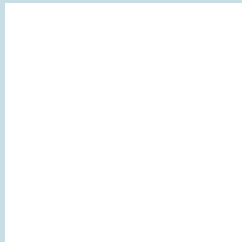
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 7.851, 222.647

Background



This preview shows how black text looks on a background with the CIELCh color 87, 7.851, 222.647.



This preview shows how white text looks on a background with the CIELCh color 87, 7.851, 222.647.

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](#).

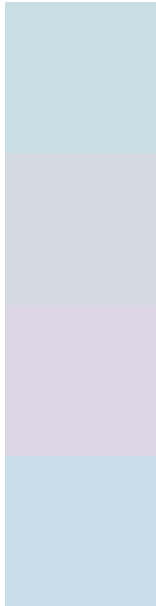
Dichromacy





Tritanopia
87, 11.099, 257.538

Trichromacy



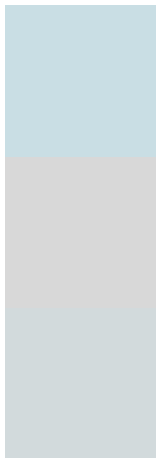
Original Color
87, 7.851, 222.647

Protanomaly
87, 4.661, 263.619

Deuteranomaly
87, 7.671, 306.814

Tritanomaly
87, 9.296, 246.322

Monochromacy



Original Color
87, 7.851, 222.647

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 3.012, 219.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 7.851, 222.647 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(201, 222, 228)` looks like.

```
.text, #text, p{  
    color:rgb(201, 222, 228)  
}
```

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(201, 222, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 222, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 7.851, 222.647 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(201, 222, 228) }
```

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

```
.border{ border-color:rgb(201, 222, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 222, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 222, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 222, 228);  
box-shadow:4px 4px 4px 4px rgb(201, 222,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 7.851, 222.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 222, 228) }
```

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

```
.background{ background-color: rgb(201,  
222, 228) }
```

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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