

Converting Colors

CIELCh(86, 6.595, 159.557)

Have a look what the booklet for
CIELCh(86, 6.595, 159.557) contains.

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Color

CIELCh(86, 7.211, 158.168)

Conversions

Conversions Part 1

Format	Color
Hex	CCDBD2
RGB	204, 219, 210
RGB Percent	80%, 86%, 82%
CMY	0.2009, 0.1421, 0.1774
CMYK	0.07, 0.00, 0.04, 0.14
HSL	144°, 17%, 83%
HSV	144°, 7%, 86%
XYZ	61.7129, 67.9871, 70.6914
YIQ	213.4890, -6.0510, -5.9790

Conversions

Conversions Part 2

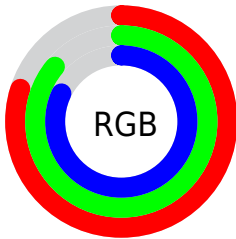
Format	Color
RYB	204, 215, 219
Decimal	13425618
CIELab	86.00, -6.69, 2.68
CIELCh	86, 7.211, 158.168
Yxy	67.9871, 0.3080, 0.3393
Android (android.graphics.Color)	4291615698 (0xFFCCDBD2)
YUV	213.4890, -1.7201, -8.3219
Hunter-Lab	82.4543, -10.6968, 6.8863

Details

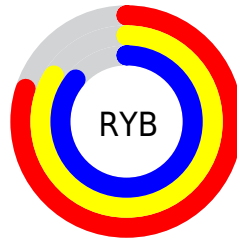
The CIELCh color **86, 7.211, 158.168** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83, 7.263, 339.088**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **66, 6.960, 159.385** is the 20% darker color. If you saturate the color by 10%, you get **84, 17.782, 157.296**, and if you desaturate by 10%, it is **88, 3.300, 338.732**.

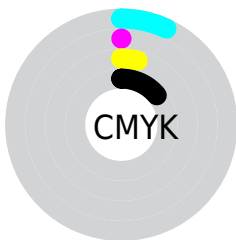
Distribution



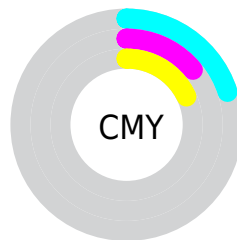
- Red (80%)
- Green (86%)
- Blue (82%)



- Red (80%)
- Yellow (84%)
- Blue (86%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)



- Cyan (20%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 7.211, 158.168 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 86, 7.211, 158.168 by changing the saturation by 10% instead.

■ 86, 7.211, 158.168

■ 86, 7.211, 158.168

■ 100, 7.211,
158.168

■ 76, 7.211, 158.168

■ 66, 7.211, 158.168

■ 56, 7.211, 158.168

■ 46, 7.211, 158.168

■ 36, 7.211, 158.168

■ 26, 7.211, 158.168

■ 16, 7.211, 158.168

■ 6, 7.211, 158.168

■ 0, 7.211, 158.168

86, 7.211, 158.168

86, 7.211, 158.168

84, 17.782,
157.296

88, 3.300, 338.732

83, 28.283,
156.342

90, 13.664,
339.490

81, 38.564,
155.262

91, 20.298,
330.068

80, 48.449,
154.030

91, 22.685,
325.214

79, 57.749,
152.620

78, 66.283,
151.015

78, 73.906,
149.204

77, 80.529,
147.197

■ 77, 86.155,
145.044

Harmonies

Complementary

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



86, 7.211, 158.168



83, 7.263, 339.088

Rectangle

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



86, 7.211, 158.168



86, 7.211, 208.168



86, 7.211, 338.168



86, 7.211, 28.168

Sweetspot

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



86, 7.213, 158.164



100, 2.371, 158.667



87, 8.124, 124.562



53, 1.348, 158.684



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 7.213, 158.164



98, 9.536, 158.059



86, 5.414, 189.358



45, 5.991, 157.943



62, 73.205, 144.762



15, 26.626, 149.444

Inverse Universe

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



83, 7.263, 339.088



95, 9.607, 339.190



83, 5.602, 10.277



43, 6.040, 339.303



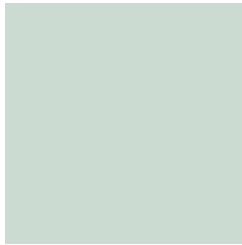
38, 65.504, 352.731



6, 26.338, 347.440

Previews

White Background



This preview shows how the CIELCh color 86, 7.211, 158.168 looks on a white background.

Color Contrast Check

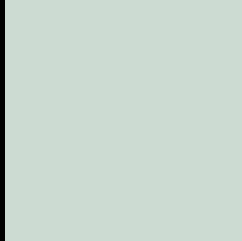
Large Text (above 18pt) WCAG AA × Fail

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 86, 7.211, 158.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

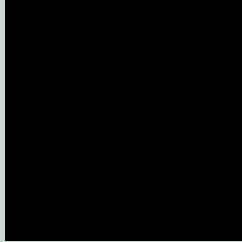
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

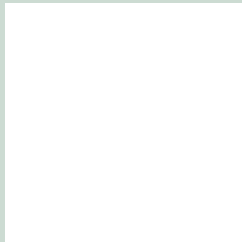
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 7.211, 158.168

Background



This preview shows how black text looks on a background with the CIELCh color 86, 7.211, 158.168.

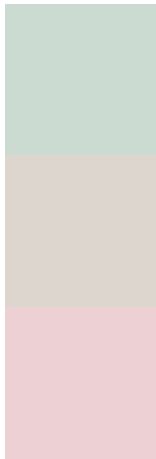


This preview shows how white text looks on a background with the CIELCh color 86, 7.211, 158.168.

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](#).

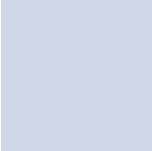
Dichromacy



Original Color
86, 7.211, 158.168

Protanopia
86, 4.253, 78.646

Deuteranopia
86, 10.900, 9.159



Tritanopia
86, 9.289, 273.623

Trichromacy



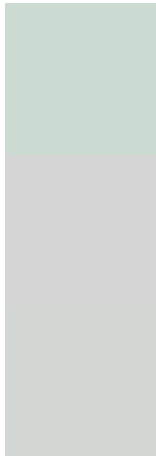
Original Color
86, 7.211, 158.168

Protanomaly
86, 4.249, 119.690

Deuteranomaly
86, 4.785, 25.898

Tritanomaly
86, 5.420, 250.222

Monochromacy



Original Color
86, 7.211, 158.168

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 2.402, 158.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 7.211, 158.168 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(204, 219, 210)` looks like.

```
.text, #text, p{  
    color:rgb(204, 219, 210)  
}
```

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(204, 219, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 219, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 7.211, 158.168 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(204, 219, 210) }
```

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

```
.border{ border-color:rgb(204, 219, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 219, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 219, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 219, 210);  
box-shadow:4px 4px 4px 4px rgb(204, 219,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 7.211, 158.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 219, 210) }
```

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

```
.background{ background-color: rgb(204,  
219, 210) }
```

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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