

Converting Colors

CIELCh(86, 5.090, 198.649)

Have a look what the booklet for
CIELCh(86, 5.090, 198.649) contains.

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Color

CIELCh(86, 4.957, 199.170)

Conversions

Conversions Part 1

Format	Color
Hex	CCDADA
RGB	204, 218, 218
RGB Percent	80%, 85%, 85%
CMY	0.2003, 0.1454, 0.1454
CMYK	0.06, 0.00, 0.00, 0.15
HSL	180°, 16%, 83%
HSV	180°, 6%, 85%
XYZ	62.5771, 67.9871, 76.1010
YIQ	213.8140, -8.3440, -2.9680

Conversions

Conversions Part 2

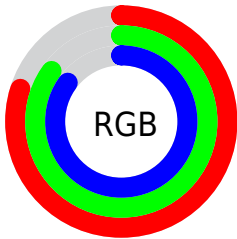
Format	Color
R _Y B	204, 211, 218
Decimal	13425370
CIE Lab	86.00, -4.68, -1.63
CIE LCh	86, 4.957, 199.170
Yxy	67.9871, 0.3028, 0.3290
Android (android.graphics.Color)	4291615450 (0xFFCCDADA)
YUV	213.8140, 2.0637, -8.6069
Hunter-Lab	82.4543, -8.8259, 2.9964

Details

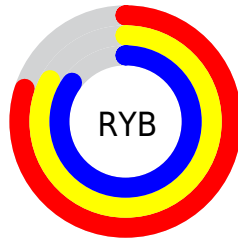
The CIELCh color `86, 4.957, 199.170` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83, 5.162, 19.668`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `66, 4.843, 199.075` is the 20% darker color. If you saturate the color by 10%, you get `85, 12.341, 198.557`, and if you desaturate by 10%, it is `88, 2.821, 19.379`.

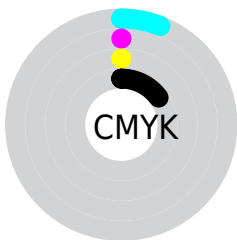
Distribution



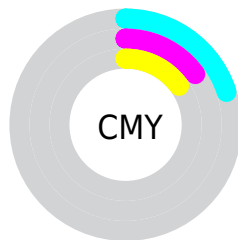
- Red (80%)
- Green (85%)
- Blue (85%)



- Red (80%)
- Yellow (83%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (20%)
- Magenta (15%)
- Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 4.957, 199.170 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, 4.957, 199.170 by changing the saturation by 10% instead.

 86, 4.957, 199.170

 86, 4.957, 199.170

 100, 4.957,
199.170

 76, 4.957, 199.170

 66, 4.957, 199.170

 56, 4.957, 199.170

 46, 4.957, 199.170

 36, 4.957, 199.170

 26, 4.957, 199.170

 16, 4.957, 199.170

 6, 4.957, 199.170

 0, 4.957, 199.170

86, 4.957, 199.170

86, 4.957, 199.170

85, 12.341,
198.557

88, 2.821, 19.379

83, 19.208,
198.063

89, 10.887, 20.120

82, 25.430,
197.629

90, 13.707, 20.329

81, 30.886,
197.257

90, 13.707, 20.318

81, 35.468,
196.950

90, 13.707, 20.306

80, 39.102,
196.708

90, 13.707, 20.295

80, 41.758,
196.533

90, 13.706, 20.283

79, 43.463,
196.420

90, 13.706, 20.271

90, 13.706, 20.260

■ 79, 44.320,
196.362

Harmonies

Complementary

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



86, 4.957, 199.170



83, 5.162, 19.668

Rectangle

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



86, 4.957, 199.170



86, 4.957, 249.170



86, 4.957, 19.170



86, 4.957, 69.170

Sweetspot

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



86, 4.958, 199.149



100, 1.770, 199.647



86, 8.925, 143.668



53, 1.006, 199.672



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, 4.958, 199.149



99, 6.985, 199.037



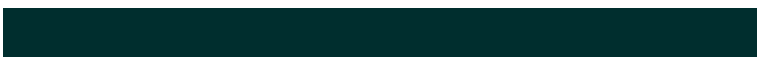
84, 4.355, 254.486



45, 4.371, 198.951



64, 37.538, 196.348



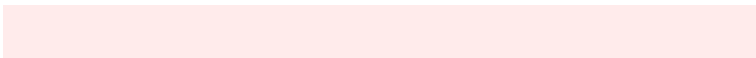
16, 15.076, 196.355

Inverse Universe

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



83, 5.162, 19.668



94, 7.349, 19.802



85, 4.419, 72.735



43, 4.639, 19.911



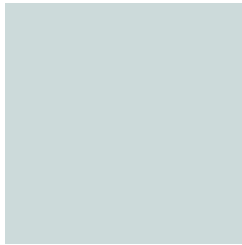
36, 78.224, 39.918



5, 23.840, 20.258

Previews

White Background



This preview shows how the CIELCh color 86, 4.957, 199.170 looks on a white background.

Color Contrast Check

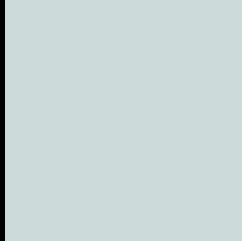
Large Text (above 18pt) WCAG AA × Fail

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 86, 4.957, 199.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

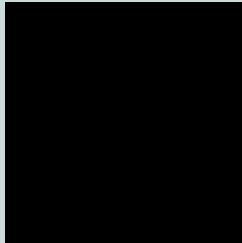
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

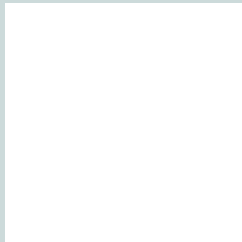
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 4.957, 199.170

Background



This preview shows how black text looks on a background with the CIELCh color 86, 4.957, 199.170.

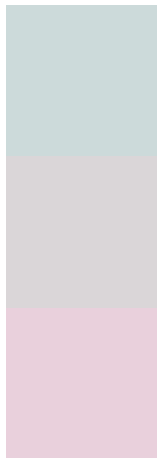


This preview shows how white text looks on a background with the CIELCh color 86, 4.957, 199.170.

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

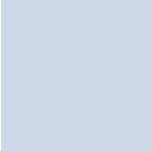
86, 4.957, 199.170

Protanopia

86, 1.800, 343.560

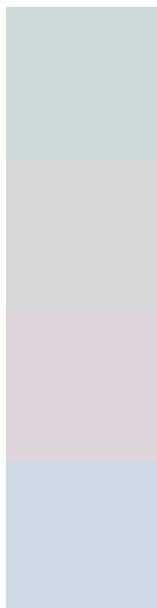
Deuteranopia

86, 11.065, 345.625



Tritanopia
86, 9.492, 269.652

Trichromacy



Original Color
86, 4.957, 199.170

Protanomaly
86, 1.268, 255.950

Deuteranomaly
86, 5.177, 334.520

Tritanomaly
86, 7.048, 254.385

Monochromacy



Original Color
86, 4.957, 199.170

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 1.791, 199.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 4.957, 199.170 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, 218, 218)` looks like.

```
.text, #text, p{  
    color:rgb(204, 218, 218)  
}
```

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, 218, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 218, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 4.957, 199.170 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, 218, 218) }
```

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

```
.border{ border-color:rgb(204, 218, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 218, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 218, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 218, 218);  
box-shadow:4px 4px 4px 4px rgb(204, 218,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 4.957, 199.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 218, 218) }
```

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

```
.background{ background-color: rgb(204,  
218, 218) }
```

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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