

Converting Colors

CIELCh(86, 12.969, 198.542)

Have a look what the booklet for
CIELCh(86, 12.969, 198.542)
contains.

CIELCh(86, 12.703, 198.565)	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(86, 12.703, 198.565)

Conversions

Conversions Part 1

Format	Color
Hex	B9DEDE
RGB	185, 222, 222
RGB Percent	73%, 87%, 87%
CMY	0.2737, 0.1285, 0.1285
CMYK	0.17, 0.00, 0.00, 0.13
HSL	180°, 36%, 80%
HSV	180°, 17%, 87%
XYZ	59.4541, 67.9871, 79.2520
YIQ	210.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

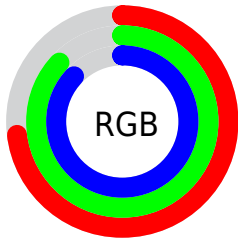
Format	Color
RYB	185, 204, 222
Decimal	12181214
CIELab	86.00, -12.04, -4.04
CIELCh	86, 12.703, 198.565
Yxy	67.9871, 0.2876, 0.3289
Android (android.graphics.Color)	4290371294 (0xFFB9DEDE)
YUV	210.9370, 5.4541, -22.7467
Hunter-Lab	82.4543, -15.5867, 0.7307

Details

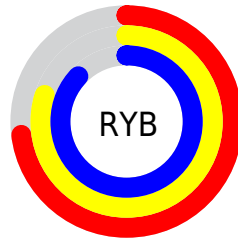
The CIELCh color `86, 12.703, 198.565` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `78, 14.155, 20.523`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.482, 199.269`, and `66, 12.850, 198.337` is the 20% darker color. If you saturate the color by 10%, you get `85, 19.664, 198.065`, and if you desaturate by 10%, it is `87, 5.214, 199.146`.

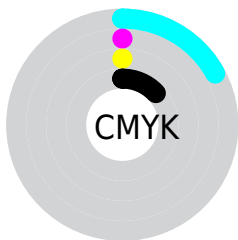
Distribution



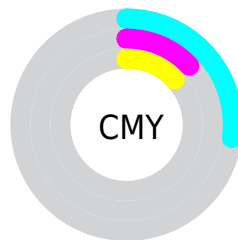
- Red (73%)
- Green (87%)
- Blue (87%)



- Red (73%)
- Yellow (80%)
- Blue (87%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)




- Cyan (27%)
- Magenta (13%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 12.703, 198.565 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, 12.703, 198.565 by changing the saturation by 10% instead.


 86, 12.703,
198.565


 86, 12.703,
198.565


 100, 12.703,
198.565


 76, 12.703,
198.565


 66, 12.703,
198.565

 56, 12.703,
198.565

 46, 12.703,
198.565

 36, 12.703,
198.565

 26, 12.703,
198.565

 16, 12.703,

198.565

■ 6, 12.703, 198.565

■ 0, 12.703, 198.565

■ 86, 12.703,
198.565

■ 86, 12.703,
198.565

■ 85, 19.664,
198.065

■ 87, 5.214, 199.146

■ 84, 25.967,
197.634

■ 89, 2.681, 19.365

■ 83, 31.486,
197.264

■ 91, 10.871, 20.119

■ 82, 36.114,
196.959

■ 91, 12.037, 20.204

■ 91, 12.037, 20.199

■ 81, 39.776,

■ 91, 12.037, 20.194

196.720

91, 12.036, 20.189

81, 42.442,
196.548

91, 12.036, 20.184

81, 44.144,
196.439

91, 12.036, 20.179

81, 44.988,
196.384

81, 45.171,
196.372

Harmonies

Complementary

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



86, 12.703, 198.565



78, 14.155, 20.523

Rectangle

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



86, 12.703, 198.565



86, 12.703, 248.565



86, 12.703, 18.565



86, 12.703, 68.565

Sweetspot

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



86, 12.704, 198.558



99, 4.397, 199.269



85, 23.651, 142.989



53, 2.995, 199.213



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, 12.704, 198.558



97, 16.872, 198.378



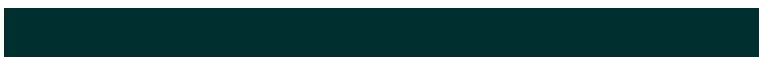
81, 11.388, 255.909



46, 4.454, 198.963



65, 37.942, 196.372



17, 15.586, 196.375

Inverse Universe

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



78, 14.155, 20.523



86, 19.269, 20.844



83, 11.943, 71.552



44, 4.728, 19.926



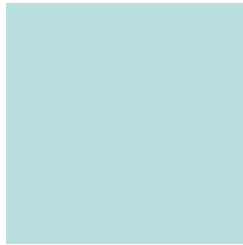
36, 79.109, 39.949



6, 25.541, 20.935

Previews

White Background



This preview shows how the CIELCh color 86, 12.703, 198.565 looks on a white background.

Color Contrast Check

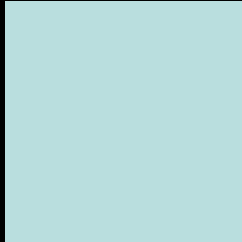
Large Text (above 18pt) WCAG AA × Fail

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, 12.703, 198.565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

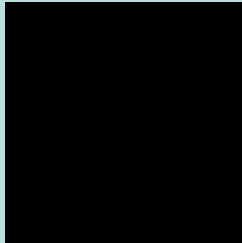
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

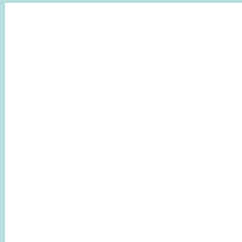
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 12.703, 198.565

Background



This preview shows how black text looks on a background with the CIELCh color 86, 12.703, 198.565.

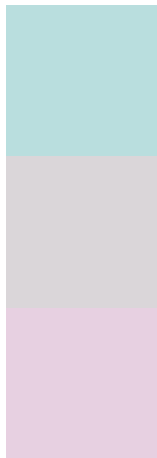


This preview shows how white text looks on a background with the CIELCh color 86, 12.703, 198.565.

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, 12.703, 198.565

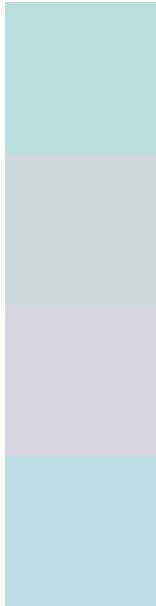
Protanopia
86, 2.153, 332.298

Deuteranopia
86, 12.204, 333.379



Tritanopia
86, 13.707, 239.649

Trichromacy



Original Color
86, 12.703, 198.565

Protanomaly
86, 4.018, 214.443

Deuteranomaly
86, 5.801, 294.172

Tritanomaly
86, 12.680, 225.935

Monochromacy



Original Color
86, 12.703, 198.565

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 4.619, 199.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 12.703, 198.565 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(185, 222, 222)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 222, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 12.703, 198.565 is called "border". The border property can be set on classes, ids or directly on the HTML element.

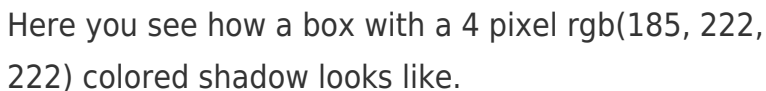
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 222, 222) }
```

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

```
.border{ border-color:rgb(185, 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(185, 222, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 222, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 222, 222); box-shadow:4px 4px 4px 4px rgb(185, 222, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 12.703, 198.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 222, 222) }
```

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

```
.background{ background-color: rgb(185,  
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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