

Converting Colors

CIELCh(84, 1.834, 198.259)

Have a look what the booklet for
CIELCh(84, 1.834, 198.259) contains.

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Color

CIELCh(84, 2.228, 185.825)

Conversions

Conversions Part 1

Format	Color
Hex	CDD3D2
RGB	205, 211, 210
RGB Percent	80%, 83%, 82%
CMY	0.1970, 0.1734, 0.1773
CMYK	0.03, 0.00, 0.00, 0.17
HSL	170°, 6%, 81%
HSV	170°, 3%, 83%
XYZ	59.9580, 64.0658, 70.0315
YIQ	209.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

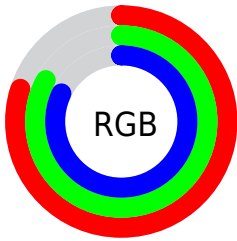
Format	Color
R_{YB}	205, 208, 211
Decimal	13489106
CIE _{Lab}	84.00, -2.22, -0.23
CIE _{LCh}	84, 2.228, 185.825
Yxy	64.0658, 0.3090, 0.3301
Android (android.graphics.Color)	4291679186 (0xFFCDD3D2)
YUV	209.0920, 0.4476, -3.5887
Hunter-Lab	80.0411, -6.3592, 4.1533

Details

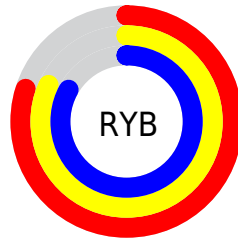
The CIELCh color `84, 2.228, 185.825` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83, 2.263, 5.799`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `64, 2.352, 185.691` is the 20% darker color. If you saturate the color by 10%, you get `82, 9.927, 184.730`, and if you desaturate by 10%, it is `86, 5.669, 6.288`.

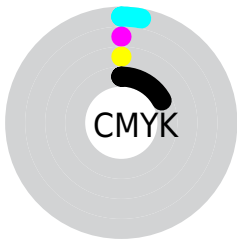
Distribution



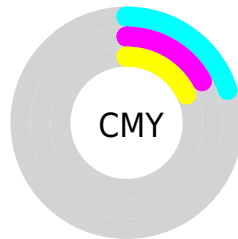
- Red (80%)
- Green (83%)
- Blue (82%)



- Red (80%)
- Yellow (82%)
- Blue (83%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



- Cyan (20%)
- Magenta (17%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 2.228, 185.825 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 84, 2.228, 185.825 by changing the saturation by 10% instead.

■ 84, 2.228, 185.825

■ 84, 2.228, 185.825

■ 100, 2.228,
185.825

■ 74, 2.228, 185.825

■ 64, 2.228, 185.825

■ 54, 2.228, 185.825

■ 44, 2.228, 185.825

■ 34, 2.228, 185.825

■ 24, 2.228, 185.825

■ 14, 2.228, 185.825

■ 4, 2.228, 185.825

■ 0, 2.228, 185.825

84, 2.228, 185.825

84, 2.228, 185.825

82, 9.927, 184.730

86, 5.669, 6.288

81, 17.314,
183.803

88, 13.676, 7.157

88, 16.988, 3.742

80, 24.265,
182.845

89, 17.522,
357.972

79, 30.650,
181.835

89, 18.231,
352.607

78, 36.339,
180.756

89, 19.094,
347.698

77, 41.221,
179.587

89, 20.092,
343.259

77, 45.220,
178.308

89, 21.205,
339.279

76, 48.311,
176.894

89, 22.415,

■ 76, 50.541,
175.330

335.728

Harmonies

Complementary

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



84, 2.228, 185.825



83, 2.263, 5.799

Rectangle

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



84, 2.228, 185.825



84, 2.228, 235.825



84, 2.228, 5.825



84, 2.228, 55.825

Sweetspot

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



84, 2.230, 185.787



100, 0.913, 186.384



84, 3.639, 139.241



53, 0.519, 186.424



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 2.230, 185.787



99, 2.741, 185.756



84, 1.774, 234.131



44, 1.764, 185.650



62, 43.631, 174.433



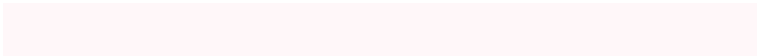
14, 16.039, 178.106

Inverse Universe

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



83, 2.263, 5.799



98, 2.784, 5.830



83, 1.791, 53.132



43, 1.796, 5.938



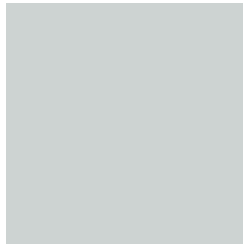
35, 69.311, 31.417



4, 20.148, 11.711

Previews

White Background



This preview shows how the CIELCh color 84, 2.228, 185.825 looks on a white background.

Color Contrast Check

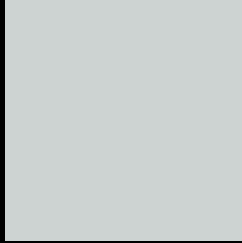
Large Text (above 18pt) WCAG AA × Fail

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 84, 2.228, 185.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

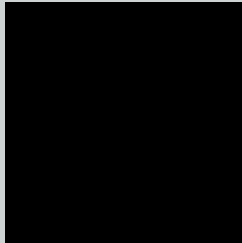
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

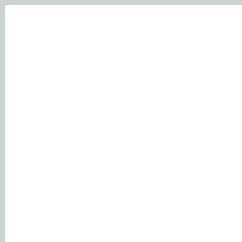
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 2.228, 185.825

Background



This preview shows how black text looks on a background with the CIELCh color 84, 2.228, 185.825.

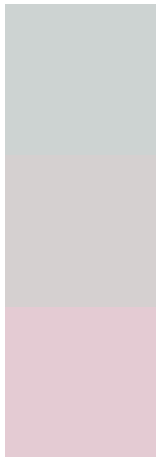


This preview shows how white text looks on a background with the CIELCh color 84, 2.228, 185.825.

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

84, 2.228, 185.825

Protanopia

84, 1.822, 19.229

Deuteranopia

84, 10.109, 355.591



Tritanopia
84, 8.976, 288.720

Trichromacy



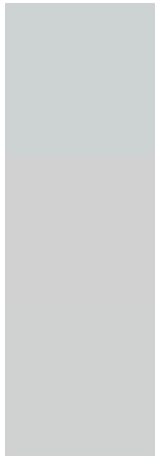
Original Color
84, 2.228, 185.825

Protanomaly
84, 0.364, 17.865

Deuteranomaly
84, 5.767, 352.623

Tritanomaly
84, 5.368, 279.234

Monochromacy



Original Color
84, 2.228, 185.825

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 1.207, 173.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 2.228, 185.825 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(205, 211, 210)` looks like.

```
.text, #text, p{  
    color:rgb(205, 211, 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(205, 211, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 211, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 2.228, 185.825 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(205, 211, 210) }
```

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

```
.border{ border-color:rgb(205, 211, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 211, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 211, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 211, 210);  
box-shadow:4px 4px 4px 4px rgb(205, 211,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 2.228, 185.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 211, 210) }
```

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

```
.background{ background-color: rgb(205,  
211, 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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