

Converting Colors

CIELCh(85, 13.188, 150.358)

Have a look what the booklet for
CIELCh(85, 13.188, 150.358)
contains.

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Color

CIELCh(85, 12.929, 151.613)

Conversions

Conversions Part 1

Format	Color
Hex	C2DAC8
RGB	194, 218, 200
RGB Percent	76%, 85%, 78%
CMY	0.2380, 0.1438, 0.2144
CMYK	0.11, 0.00, 0.08, 0.14
HSL	135°, 25%, 81%
HSV	135°, 11%, 86%
XYZ	57.9476, 66.0070, 64.5252
YIQ	208.7720, -8.5260, -10.6860

Conversions

Conversions Part 2

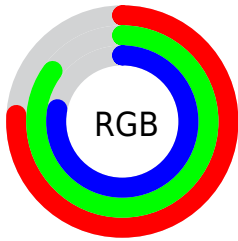
Format	Color
RYB	194, 213, 218
Decimal	12769992
CIELab	85.00, -11.37, 6.15
CIELCh	85, 12.929, 151.613
Yxy	66.0070, 0.3074, 0.3502
Android (android.graphics.Color)	4290960072 (0xFFC2DAC8)
YUV	208.7720, -4.3246, -12.9550
Hunter-Lab	81.2447, -14.8636, 9.7827

Details

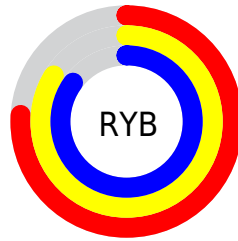
The CIELCh color $85, 12.929, 151.613$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 12.986, 333.029$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 1.389, 199.794$, and $65, 12.992, 151.799$ is the 20% darker color. If you saturate the color by 10%, you get $83, 24.767, 150.806$, and if you desaturate by 10%, it is $87, 1.157, 152.572$.

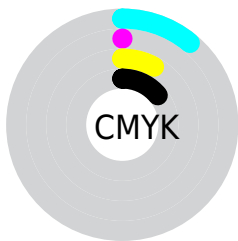
Distribution



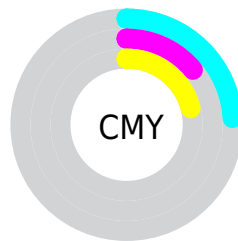
- Red (76%)
- Green (85%)
- Blue (78%)



- Red (76%)
- Yellow (84%)
- Blue (85%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (14%)





- Cyan (24%)
- Magenta (14%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 12.929, 151.613 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 85, 12.929, 151.613 by changing the saturation by 10% instead.


 85, 12.929,
151.613


 85, 12.929,
151.613


 100, 12.929,
151.613


 75, 12.929,
151.613


 65, 12.929,
151.613

 55, 12.929,
151.613

 45, 12.929,
151.613

 35, 12.929,
151.613

 25, 12.929,
151.613

 15, 12.929,

151.613

■ 5, 12.929, 151.613

■ 0, 12.929, 151.613

■ 85, 12.929,
151.613

■ 85, 12.929,
151.613

■ 83, 24.767,
150.806

■ 87, 1.157, 152.572

■ 82, 36.513,
149.884

■ 89, 10.440,
332.841

■ 80, 47.979,
148.821

■ 91, 20.692,
329.745

■ 79, 58.944,
147.596

■ 91, 22.963,
325.224

■ 78, 69.166,

146.196

■ 77, 78.404,
144.624

■ 77, 86.443,
142.904

■ 77, 93.116,
141.096

■ 76, 97.934,
139.528

Harmonies

Complementary

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



85, 12.929, 151.613



81, 12.986, 333.029

Rectangle

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



85, 12.929, 151.613



85, 12.929, 201.613



85, 12.929, 331.613



85, 12.929, 21.613

Sweetspot

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



85, 12.931, 151.612



99, 3.975, 152.239



86, 12.710, 118.573



53, 3.017, 152.165



0, 0.000, 0.000



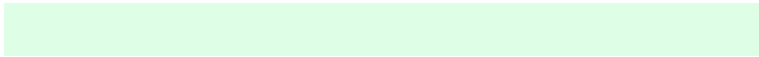
53, 0.007, 296.813

Same Dimension

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



85, 12.931, 151.612



97, 17.356, 151.449



85, 9.209, 177.352



45, 6.694, 151.730



62, 81.891, 139.827



15, 29.601, 144.844

Inverse Universe

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



81, 12.986, 333.029



92, 17.435, 333.176



81, 9.540, 359.320



43, 6.720, 332.920



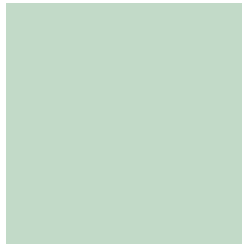
39, 71.545, 341.278



6, 28.992, 338.530

Previews

White Background



This preview shows how the CIELCh color 85, 12.929, 151.613 looks on a white background.

Color Contrast Check

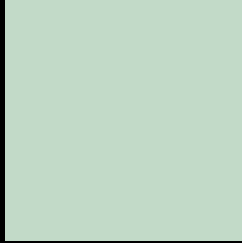
Large Text (above 18pt) WCAG AA × Fail

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 85, 12.929, 151.613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

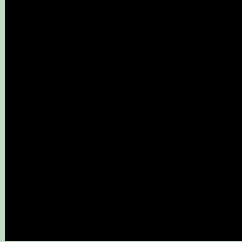
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

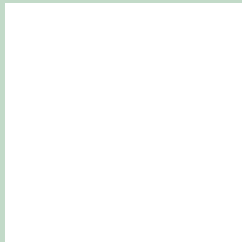
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 12.929, 151.613

Background



This preview shows how black text looks on a background with the CIELCh color 85, 12.929, 151.613.

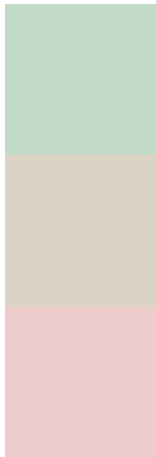


This preview shows how white text looks on a background with the CIELCh color 85, 12.929, 151.613.

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
85, 12.929, 151.613

Protanopia
85, 8.398, 88.603

Deuteranopia
85, 11.655, 25.360



Tritanopia
85, 10.206, 260.678

Trichromacy



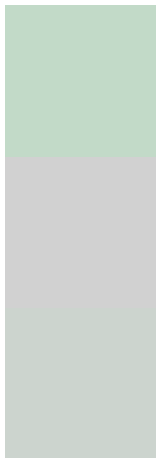
Original Color
85, 12.929, 151.613

Protanomaly
85, 8.520, 119.452

Deuteranomaly
85, 5.834, 65.419

Tritanomaly
85, 6.929, 216.755

Monochromacy



Original Color
85, 12.929, 151.613

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 4.309, 152.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 12.929, 151.613 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(194, 218, 200)` looks like.

```
.text, #text, p{  
    color:rgb(194, 218, 200)  
}
```

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(194, 218, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 218, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 12.929, 151.613 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(194, 218, 200) }
```

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

```
.border{ border-color:rgb(194, 218, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 218, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 218, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 218, 200);  
box-shadow:4px 4px 4px 4px rgb(194, 218,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 12.929, 151.613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 218, 200) }
```

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

```
.background{ background-color: rgb(194,  
218, 200) }
```

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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