

Converting Colors

CIE LCh(83, 30.300, 159.773)

Have a look what the booklet for
CIELCh(83, 30.300, 159.773)
contains.

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Color

CIELCh(83, 30.228, 159.675)

Conversions

Conversions Part 1

Format	Color
Hex	9ADDBA
RGB	154, 221, 186
RGB Percent	60%, 87%, 73%
CMY	0.3959, 0.1331, 0.2704
CMYK	0.30, 0.00, 0.16, 0.13
HSL	149°, 50%, 74%
HSV	149°, 30%, 87%
XYZ	48.0745, 62.1629, 55.9471
YIQ	196.9770, -28.6970, -25.0890

Conversions

Conversions Part 2

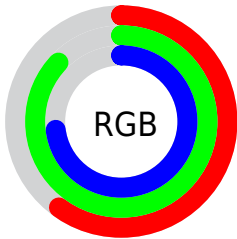
Format	Color
RYB	154, 199, 221
Decimal	10149306
CIELab	83.00, -28.35, 10.50
CIELCh	83, 30.228, 159.675
Yxy	62.1629, 0.2893, 0.3741
Android (android.graphics.Color)	4288339386 (0xFF9ADDBA)
YUV	196.9770, -5.4117, -37.6908
Hunter-Lab	78.8435, -29.1363, 13.1185

Details

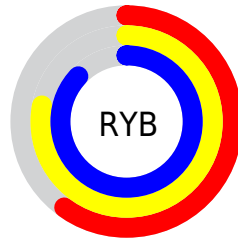
The CIELCh color $83, 30.228, 159.675$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $71, 31.252, 345.222$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 16.860, 175.081$, and $63, 30.320, 159.486$ is the 20% darker color. If you saturate the color by 10%, you get $82, 39.787, 158.506$, and if you desaturate by 10%, it is $85, 20.364, 160.712$.

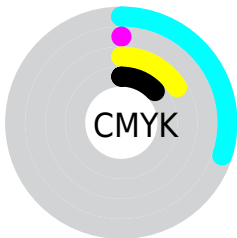
Distribution



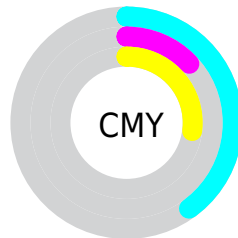
- Red (60%)
- Green (87%)
- Blue (73%)



- Red (60%)
- Yellow (78%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)





- Cyan (40%)
- Magenta (13%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 30.228, 159.675 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 83, 30.228, 159.675 by changing the saturation by 10% instead.


 83, 30.228,
159.675


 83, 30.228,
159.675


 100, 30.228,
159.675


 73, 30.228,
159.675

 63, 30.228,
159.675

 53, 30.228,
159.675

 43, 30.228,
159.675

 33, 30.228,
159.675

 23, 30.228,
159.675

 13, 30.228,

159.675

■ 3, 30.228, 159.675

■ 0, 30.228, 159.675

■ 83, 30.228,
159.675

■ 83, 30.228,
159.675

■ 82, 39.787,
158.506

■ 85, 20.364,
160.712

■ 81, 48.867,
157.182

■ 86, 10.346,
161.652

■ 80, 57.296,
155.677

■ 88, 0.305, 163.846

■ 79, 64.925,
153.970

■ 90, 9.657, 343.141

■ 91, 16.869,
336.462

■ 78, 71.648,

152.049

92, 21.245,
325.164

78, 77.436,
149.924

78, 82.280,
147.755

Harmonies

Complementary

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



83, 30.228, 159.675



71, 31.252, 345.222

Rectangle

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



83, 30.228, 159.675



83, 30.228, 209.675



83, 30.228, 339.675



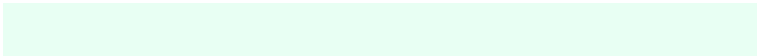
83, 30.228, 29.675

Sweetspot

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



83, 30.229, 159.674



98, 10.137, 161.765



84, 36.782, 126.451



52, 7.046, 161.631



0, 0.000, 0.000



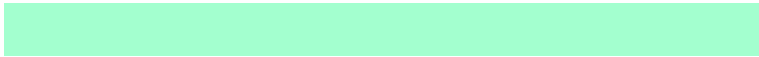
53, 0.007, 296.813

Same Dimension

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



83, 30.229, 159.674



93, 40.090, 158.993



84, 22.139, 194.813



45, 5.658, 161.732



62, 68.061, 148.161



16, 24.848, 152.920

Inverse Universe

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



71, 31.252, 345.222



77, 41.675, 345.895



70, 26.903, 19.419



43, 5.724, 343.191



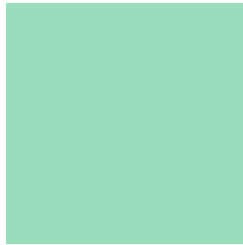
37, 63.778, 359.679



6, 25.309, 352.924

Previews

White Background



This preview shows how the CIELCh color 83, 30.228, 159.675 looks on a white background.

Color Contrast Check

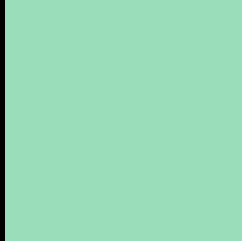
Large Text (above 18pt) WCAG AA × Fail

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 83, 30.228, 159.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

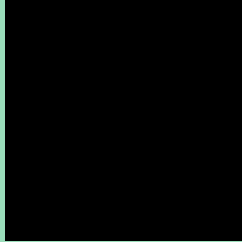
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

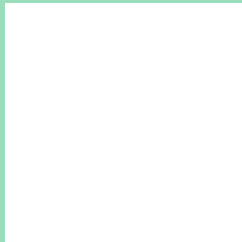
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 30.228, 159.675

Background



This preview shows how black text looks on a background with the CIELCh color 83, 30.228, 159.675.

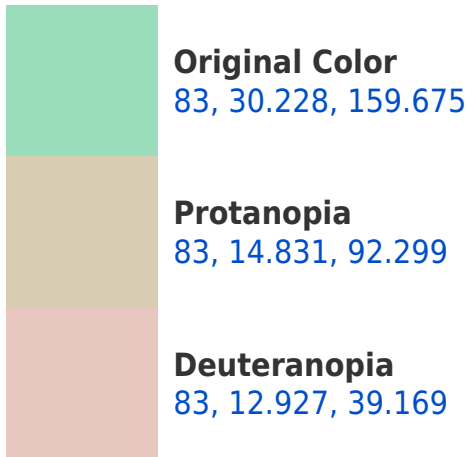


This preview shows how white text looks on a background with the CIELCh color 83, 30.228, 159.675.

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



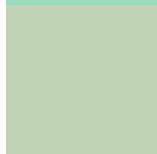


Tritanopia
83, 18.811, 227.120

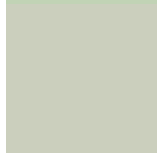
Trichromacy



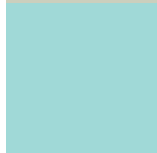
Original Color
83, 30.228, 159.675



Protanomaly
83, 17.216, 131.880



Deuteranomaly
82, 9.612, 118.287



Tritanomaly
83, 19.184, 194.892

Monochromacy



Original Color
83, 30.228, 159.675



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 11.480, 161.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 30.228, 159.675 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(154, 221, 186)` looks like.

```
.text, #text, p{  
    color:rgb(154, 221, 186)  
}
```

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(154, 221, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 221, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 30.228, 159.675 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(154, 221, 186) }
```

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

```
.border{ border-color:rgb(154, 221, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 221, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 221, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 221, 186);  
box-shadow:4px 4px 4px 4px rgb(154, 221,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 30.228, 159.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 221, 186) }
```

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

```
.background{ background-color: rgb(154,  
221, 186) }
```

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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