

Converting Colors

CIELCh(83, 19.606, 199.520)

Have a look what the booklet for
CIELCh(83, 19.606, 199.520)
contains.

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Color

CIELCh(83, 19.585, 199.619)

Conversions

Conversions Part 1

Format	Color
Hex	9ED9DA
RGB	158, 217, 218
RGB Percent	62%, 85%, 85%
CMY	0.3792, 0.1478, 0.1439
CMYK	0.27, 0.00, 0.00, 0.14
HSL	181°, 45%, 74%
HSV	181°, 27%, 86%
XYZ	51.7476, 62.1629, 75.8130
YIQ	199.4730, -35.4850, -12.1970

Conversions

Conversions Part 2

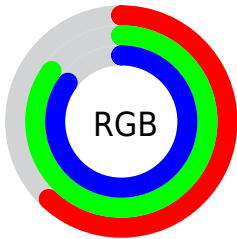
Format	Color
RYB	158, 188, 218
Decimal	10410458
CIELab	83.00, -18.45, -6.58
CIELCh	83, 19.585, 199.619
Yxy	62.1629, 0.2728, 0.3277
Android (android.graphics.Color)	4288600538 (0xFF9ED9DA)
YUV	199.4730, 9.1338, -36.3718
Hunter-Lab	78.8435, -20.8206, -1.8206

Details

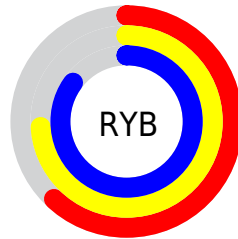
The CIELCh color **83, 19.585, 199.619** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 23.641, 22.855**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.731, 198.590**, and **63, 19.677, 199.366** is the 20% darker color. If you saturate the color by 10%, you get **82, 25.628, 199.269**, and if you desaturate by 10%, it is **84, 12.893, 200.033**.

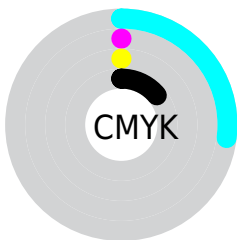
Distribution



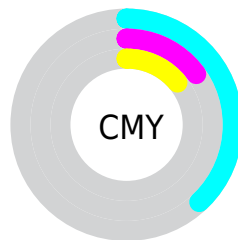
- Red (62%)
- Green (85%)
- Blue (85%)



- Red (62%)
- Yellow (74%)
- Blue (85%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)





- Cyan (38%)
- Magenta (15%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 19.585, 199.619 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, 19.585, 199.619 by changing the saturation by 10% instead.


 83, 19.585,
199.619


 83, 19.585,
199.619


 100, 19.585,
199.619


 73, 19.585,
199.619

 63, 19.585,
199.619

 53, 19.585,
199.619

 43, 19.585,
199.619

 33, 19.585,
199.619

 23, 19.585,
199.619

 13, 19.585,

199.619

■ 3, 19.585, 199.619

■ 0, 19.585, 199.619

■ 83, 19.585,
199.619

■ 83, 19.585,
199.619

■ 82, 25.628,
199.269

■ 84, 12.893,
200.033

■ 81, 30.898,
198.999

■ 86, 5.675, 200.547

■ 88, 1.949, 20.639

■ 80, 35.291,
198.812

■ 89, 9.870, 21.416

■ 79, 38.733,
198.715

■ 90, 13.265, 22.128

■ 79, 41.198,

■ 90, 13.140, 22.946

198.712

91, 13.017, 23.779

78, 42.717,
198.803

91, 12.897, 24.628

78, 43.408,
198.982

91, 12.780, 25.493

78, 43.523,
199.033

Harmonies

Complementary

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



83, 19.585, 199.619



71, 23.641, 22.855

Rectangle

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



83, 19.585, 199.619



83, 19.585, 249.619



83, 19.585, 19.619



83, 19.585, 69.619

Sweetspot

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



83, 19.585, 199.615



98, 6.868, 200.512



82, 38.725, 142.558



52, 4.862, 200.425



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, 19.585, 199.615



95, 26.063, 199.405



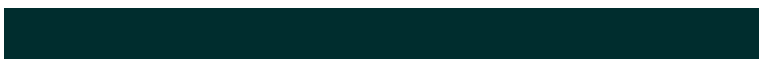
75, 18.664, 259.649



45, 4.297, 200.434



63, 36.664, 198.991



16, 14.783, 198.533

Inverse Universe

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



73, 38.300, 326.391



80, 52.006, 326.701



78, 20.124, 71.999



43, 7.912, 325.385



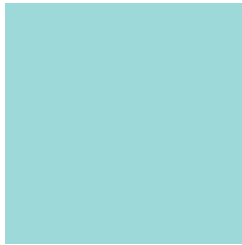
41, 85.437, 328.899



7, 34.162, 328.719

Previews

White Background



This preview shows how the CIE LCh color 83, 19.585, 199.619 looks on a white background.

Color Contrast Check

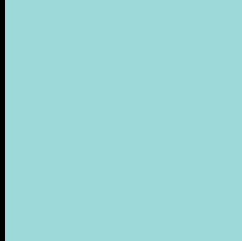
Large Text (above 18pt) WCAG AA × Fail

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, 19.585, 199.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

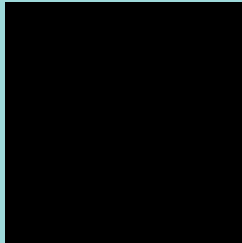
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

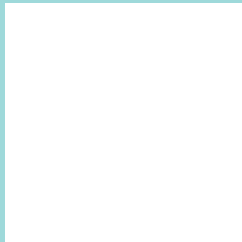
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 19.585, 199.619

Background



This preview shows how black text looks on a background with the CIELCh color 83, 19.585, 199.619.

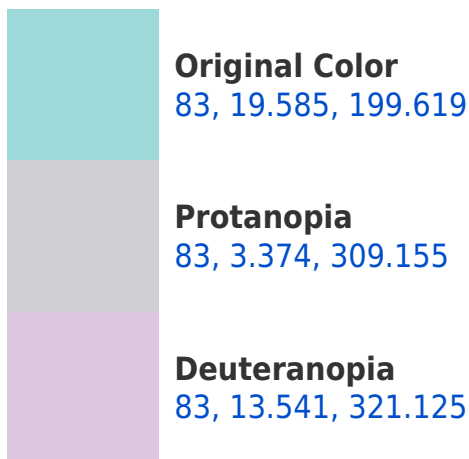


This preview shows how white text looks on a background with the CIELCh color 83, 19.585, 199.619.

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



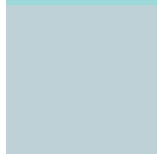


Tritanopia
83, 19.327, 226.259

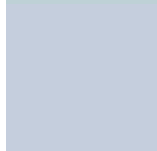
Trichromacy



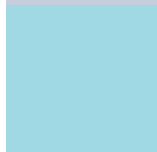
Original Color
83, 19.585, 199.619



Protanomaly
83, 7.118, 220.906



Deuteranomaly
83, 8.477, 269.144



Tritanomaly
83, 18.983, 216.194

Monochromacy



Original Color
83, 19.585, 199.619



Achromatopsia
81, 0.010, 296.813



Achromatomaly
81, 7.438, 203.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 19.585, 199.619 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(158, 217, 218)` looks like.

```
.text, #text, p{  
    color:rgb(158, 217, 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(158, 217, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 217, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 19.585, 199.619 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(158, 217, 218) }
```

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

```
.border{ border-color:rgb(158, 217, 218) }
```

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

Here you see how a box with a 4 pixel rgb(158, 217, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 217, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 217, 218);  
box-shadow:4px 4px 4px 4px rgb(158, 217,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 19.585, 199.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 217, 218) }
```

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

```
.background{ background-color: rgb(158,  
217, 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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