

Converting Colors

CIELCh(83, 19.515, 233.849)

Have a look what the booklet for
CIELCh(83, 19.515, 233.849)
contains.

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Color

CIELCh(83, 19.722, 234.883)

Conversions

Conversions Part 1

Format	Color
Hex	A3D6EC
RGB	163, 214, 236
RGB Percent	64%, 84%, 93%
CMY	0.3595, 0.1594, 0.0731
CMYK	0.31, 0.09, 0.00, 0.07
HSL	198°, 66%, 78%
HSV	198°, 31%, 93%
XYZ	54.4957, 62.1629, 88.7469
YIQ	201.2590, -37.4580, -3.9700

Conversions

Conversions Part 2

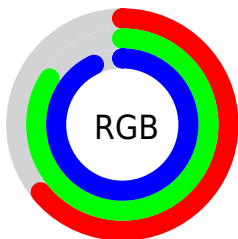
Format	Color
R _{YB}	163, 193, 236
Decimal	10737388
CIE _{Lab}	83.00, -11.35, -16.13
CIE _{LCh}	83, 19.722, 234.883
Yxy	62.1629, 0.2653, 0.3026
Android (android.graphics.Color)	4288927468 (0xFFA3D6EC)
YUV	201.2590, 17.1273, -33.5531
Hunter-Lab	78.8435, -14.5989, -11.5469

Details

The CIELCh color **83, 19.722, 234.883** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **79, 23.800, 49.873**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 12.126, 198.696**, and **63, 19.652, 235.309** is the 20% darker color. If you saturate the color by 10%, you get **80, 25.259, 236.491**, and if you desaturate by 10%, it is **86, 13.714, 233.617**.

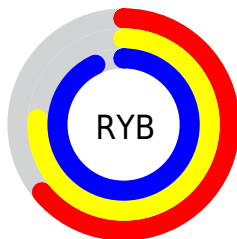
Distribution



Red (64%)

Green (84%)

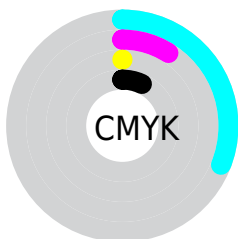
Blue (93%)



Red (64%)

Yellow (76%)

Blue (93%)

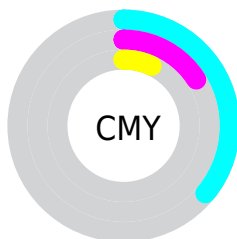


Cyan (31%)

Magenta (9%)

Yellow (0%)

Black (7%)



Cyan (36%)

Magenta (16%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 19.722, 234.883 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, 19.722, 234.883 by changing the saturation by 10% instead.

■ 83, 19.722,
234.883

■ 83, 19.722,
234.883

■ 100, 19.722,
234.883

■ 73, 19.722,
234.883

■ 63, 19.722,
234.883

■ 53, 19.722,
234.883

■ 43, 19.722,
234.883

■ 33, 19.722,
234.883

■ 23, 19.722,
234.883

■ 13, 19.722,

234.883

■ 3, 19.722, 234.883

■ 0, 19.722, 234.883

■ 83, 19.722,
234.883

■ 83, 19.722,
234.883

■ 80, 25.259,
236.491

■ 86, 13.714,
233.617

■ 77, 30.250,
238.532

■ 90, 7.319, 232.652

■ 74, 34.639,
241.094

■ 93, 0.615, 232.718

■ 71, 38.408,
244.269

■ 97, 5.463, 56.770

■ 69, 41.605,

■ 98, 7.132, 94.932

■ 100, 9.442,

248.125

109.462

■ 66, 44.354,
252.673

■ 64, 46.686,
257.245

Harmonies

Complementary

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



83, 19.722, 234.883



79, 23.800, 49.873

Rectangle

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



83, 19.722, 234.883



83, 19.722, 284.883



83, 19.722, 54.883



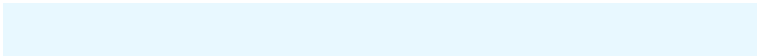
83, 19.722, 104.883

Sweetspot

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



83, 19.721, 234.879



97, 6.458, 232.507



88, 37.359, 151.748



51, 4.474, 232.620



0, 0.000, 0.000



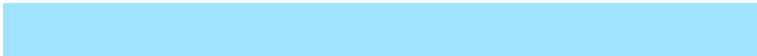
53, 0.007, 296.813

Same Dimension

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



83, 19.721, 234.879



87, 24.624, 235.842



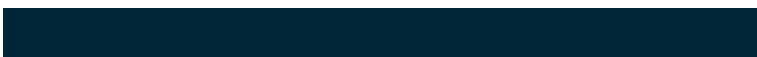
73, 31.873, 284.840



47, 3.806, 232.539



50, 37.922, 256.293



13, 15.271, 247.679

Inverse Universe

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



76, 37.731, 336.603



77, 47.906, 337.125



88, 30.729, 96.766



46, 6.848, 334.959



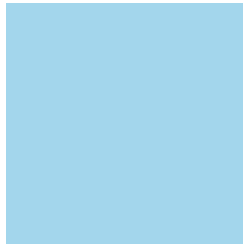
40, 71.336, 344.954



8, 31.454, 341.830

Previews

White Background



This preview shows how the CIE LCh color 83, 19.722, 234.883 looks on a white background.

Color Contrast Check

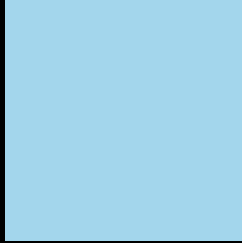
Large Text (above 18pt) WCAG AA × Fail

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, 19.722, 234.883 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, 19.722, 234.883

Background



This preview shows how black text looks on a background with the CIELCh color 83, 19.722, 234.883.




This preview shows how white text looks on a background with the CIELCh color 83, 19.722, 234.883.

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, 19.069, 226.683

Trichromacy



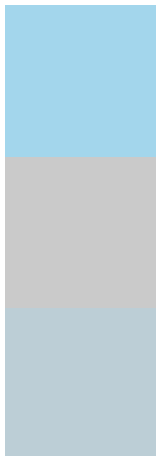
Original Color
83, 19.722, 234.883

Protanomaly
83, 14.056, 264.152

Deuteranomaly
83, 17.369, 277.144

Tritanomaly
83, 19.480, 229.650

Monochromacy



Original Color
83, 19.722, 234.883

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 7.512, 233.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 19.722, 234.883 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(163, 214, 236)` looks like.

```
.text, #text, p{  
    color:rgb(163, 214, 236)  
}
```

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(163, 214, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 214, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 19.722, 234.883 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(163, 214, 236) }
```

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

```
.border{ border-color:rgb(163, 214, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 214, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 214, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 214, 236);  
box-shadow:4px 4px 4px 4px rgb(163, 214,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 19.722, 234.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 214, 236) }
```

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

```
.background{ background-color: rgb(163,  
214, 236) }
```

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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