

Converting Colors

CIE LCh(83, 8.224, 221.706)

Have a look what the booklet for
CIELCh(83, 8.224, 221.706) contains.

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Color

CIELCh(83, 8.224, 221.706)

Conversions

Conversions Part 1

Format	Color
Hex	BDD3D9
RGB	189, 211, 217
RGB Percent	74%, 83%, 85%
CMY	0.2603, 0.1740, 0.1505
CMYK	0.13, 0.03, 0.00, 0.15
HSL	193°, 27%, 79%
HSV	193°, 13%, 85%
XYZ	56.5702, 62.1629, 74.4047
YIQ	205.1060, -15.0380, -2.7980

Conversions

Conversions Part 2

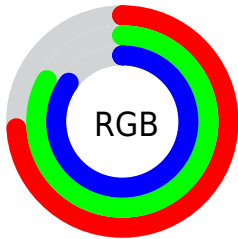
Format	Color
RYB	189, 201, 217
Decimal	12440537
CIELab	83.00, -6.14, -5.47
CIELCh	83, 8.224, 221.706
Yxy	62.1629, 0.2929, 0.3219
Android (android.graphics.Color)	4290630617 (0xFFBDD3D9)
YUV	205.1060, 5.8637, -14.1250
Hunter-Lab	78.8435, -9.9023, -0.7616

Details

The CIELCh color `83, 8.224, 221.706` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80, 8.920, 40.759`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.457, 199.378`, and `63, 8.415, 218.255` is the 20% darker color. If you saturate the color by 10%, you get `80, 14.169, 222.237`, and if you desaturate by 10%, it is `86, 1.907, 221.521`.

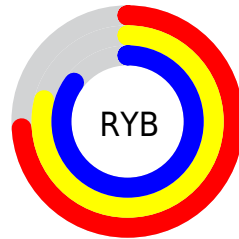
Distribution



Red (74%)

Green (83%)

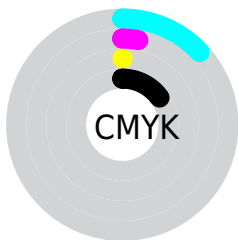
Blue (85%)



Red (74%)

Yellow (79%)

Blue (85%)

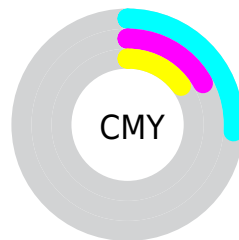


Cyan (13%)

Magenta (3%)

Yellow (0%)

Black (15%)



Cyan (26%)

Magenta (17%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 8.224, 221.706 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, 8.224, 221.706 by changing the saturation by 10% instead.

■ 83, 8.224, 221.706

■ 83, 8.224, 221.706

■ 100, 8.224,
221.706

■ 73, 8.224, 221.706

■ 63, 8.224, 221.706

■ 53, 8.224, 221.706

■ 43, 8.224, 221.706

■ 33, 8.224, 221.706

■ 23, 8.224, 221.706

■ 13, 8.224, 221.706

■ 3, 8.224, 221.706

■ 0, 8.224, 221.706

83, 8.224, 221.706

83, 8.224, 221.706

80, 14.169,
222.237

86, 1.907, 221.521

78, 19.649,
223.017

89, 4.701, 40.830

75, 24.566,
224.079

92, 11.528, 40.736

73, 28.828,
225.489

93, 11.560, 53.760

71, 32.361,
227.329

94, 11.818, 67.844

69, 35.125,
229.686

95, 12.742, 80.550

67, 37.140,
232.644

96, 14.198, 91.047

66, 38.501,
236.261

97, 16.036, 99.318

98, 18.135,
105.739

■ 65, 39.231,
239.130

Harmonies

Complementary

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



83, 8.224, 221.706



80, 8.920, 40.759

Rectangle

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



83, 8.224, 221.706



83, 8.224, 271.706



83, 8.224, 41.706



83, 8.224, 91.706

Sweetspot

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



83, 8.224, 221.693



99, 2.971, 221.476



84, 15.675, 149.685



52, 2.108, 221.469



0, 0.000, 0.000



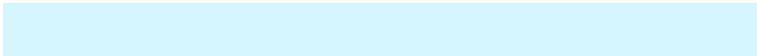
53, 0.007, 296.813

Same Dimension

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



83, 8.224, 221.693



95, 11.522, 221.843



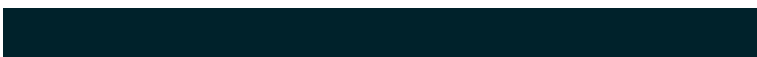
79, 10.793, 275.423



44, 3.612, 221.559



52, 32.790, 238.380



11, 12.658, 229.903

Inverse Universe

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



79, 15.571, 331.826



90, 22.044, 332.041



84, 10.762, 92.093



42, 6.762, 331.592



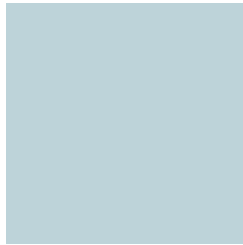
38, 72.609, 338.955



6, 28.150, 336.555

Previews

White Background



This preview shows how the CIELCh color 83, 8.224, 221.706 looks on a white background.

Color Contrast Check

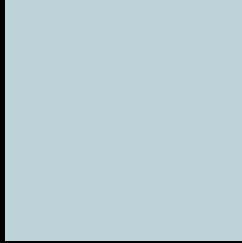
Large Text (above 18pt) WCAG AA × Fail

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, 8.224, 221.706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

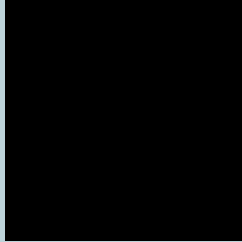
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

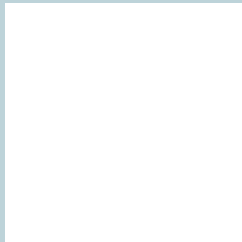
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 8.224, 221.706

Background



This preview shows how black text looks on a background with the CIELCh color 83, 8.224, 221.706.



This preview shows how white text looks on a background with the CIELCh color 83, 8.224, 221.706.

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

83, 8.224, 221.706

Protanopia

83, 4.388, 304.760

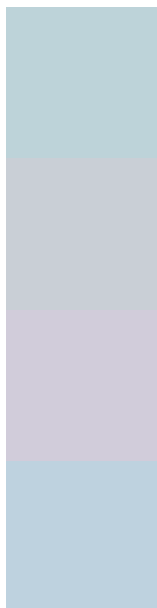
Deuteranopia

83, 12.626, 327.652



Tritanopia
83, 10.952, 254.535

Trichromacy



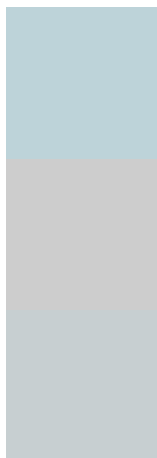
Original Color
83, 8.224, 221.706

Protanomaly
83, 4.243, 260.334

Deuteranomaly
83, 7.651, 304.262

Tritanomaly
83, 9.602, 244.927

Monochromacy



Original Color
83, 8.224, 221.706

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 3.040, 219.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 8.224, 221.706 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(189, 211, 217)` looks like.

```
.text, #text, p{  
    color:rgb(189, 211, 217)  
}
```

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(189, 211, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 211, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 8.224, 221.706 is called "border". The border property can be set on classes, ids or directly on the HTML element.

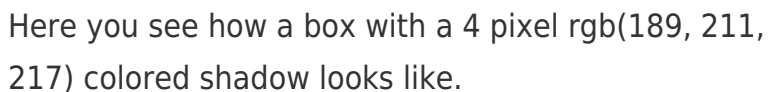
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 211, 217) }
```

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

```
.border{ border-color:rgb(189, 211, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 211, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 211, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 211, 217);  
box-shadow:4px 4px 4px 4px rgb(189, 211,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 8.224, 221.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 211, 217) }
```

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

```
.background{ background-color: rgb(189,  
211, 217) }
```

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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