

Converting Colors

CIELCh(83, 16.407, 227.895)

Have a look what the booklet for
CIELCh(83, 16.407, 227.895)
contains.

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Color

CIELCh(83, 16.314, 227.784)

Conversions

Conversions Part 1

Format	Color
Hex	AAD6E5
RGB	170, 214, 229
RGB Percent	67%, 84%, 90%
CMY	0.3341, 0.1615, 0.1027
CMYK	0.26, 0.07, 0.00, 0.10
HSL	195°, 53%, 78%
HSV	195°, 26%, 90%
XYZ	54.6467, 62.1629, 83.0997
YIQ	202.5540, -31.0390, -4.6630

Conversions

Conversions Part 2

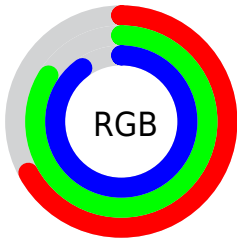
Format	Color
RYB	170, 195, 229
Decimal	11196133
CIELab	83.00, -10.96, -12.08
CIELCh	83, 16.314, 227.784
Yxy	62.1629, 0.2734, 0.3110
Android (android.graphics.Color)	4289386213 (0xFFAAD6E5)
YUV	202.5540, 13.0379, -28.5499
Hunter-Lab	78.8435, -14.2572, -7.3002

Details

The CIELCh color $83, 16.314, 227.784$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $79, 19.256, 44.914$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 9.843, 198.851$, and $63, 16.484, 229.150$ is the 20% darker color. If you saturate the color by 10%, you get $80, 21.875, 228.908$, and if you desaturate by 10%, it is $86, 10.278, 226.932$.

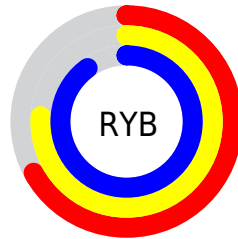
Distribution



Red (67%)

Green (84%)

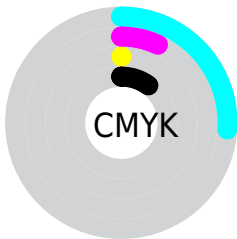
Blue (90%)



Red (67%)

Yellow (76%)

Blue (90%)

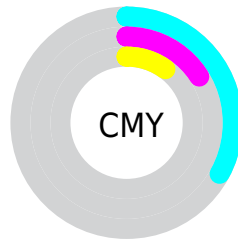


Cyan (26%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (33%)

Magenta (16%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 16.314, 227.784 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, 16.314, 227.784 by changing the saturation by 10% instead.

■ 83, 16.314,
227.784

■ 83, 16.314,
227.784

■ 100, 16.314,
227.784

■ 73, 16.314,
227.784

■ 63, 16.314,
227.784

■ 53, 16.314,
227.784

■ 43, 16.314,
227.784

■ 33, 16.314,
227.784

■ 23, 16.314,
227.784

■ 13, 16.314,

227.784

■ 3, 16.314, 227.784

■ 0, 16.314, 227.784

■ 83, 16.314,
227.784

■ 83, 16.314,
227.784

■ 80, 21.875,
228.908

■ 86, 10.278,
226.932

■ 77, 26.871,
230.382

■ 89, 3.858, 226.372

■ 92, 2.863, 45.530

■ 75, 31.217,
232.284

■ 95, 7.761, 52.675

■ 72, 34.859,
234.704

■ 96, 8.411, 78.028

■ 70, 37.786,

■ 98, 10.357, 96.627

237.736

99, 13.018,
108.417

68, 40.059,
241.452

99, 13.259,
109.176

66, 41.826,
245.863

65, 42.525,
247.826

Harmonies

Complementary

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



83, 16.314, 227.784



79, 19.256, 44.914

Rectangle

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



83, 16.314, 227.784



83, 16.314, 277.784



83, 16.314, 47.784



83, 16.314, 97.784

Sweetspot

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



83, 16.314, 227.778



97, 5.798, 226.462



86, 31.588, 150.377



51, 4.106, 226.538



0, 0.000, 0.000



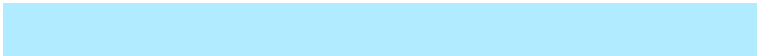
53, 0.007, 296.813

Same Dimension

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



83, 16.314, 227.778



90, 21.039, 228.350



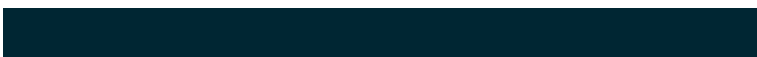
75, 24.213, 280.904



47, 3.767, 226.533



52, 35.148, 246.979



13, 14.228, 238.714

Inverse Universe

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



76, 31.708, 334.245



81, 41.588, 334.646



86, 23.787, 94.091



45, 6.956, 333.085



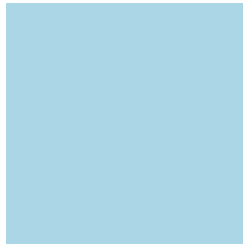
40, 72.856, 341.599



8, 31.410, 339.053

Previews

White Background



This preview shows how the CIELCh color 83, 16.314, 227.784 looks on a white background.

Color Contrast Check

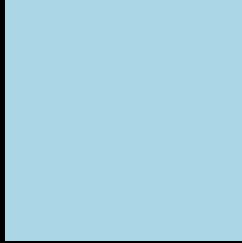
Large Text (above 18pt) WCAG AA × Fail

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, 16.314, 227.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

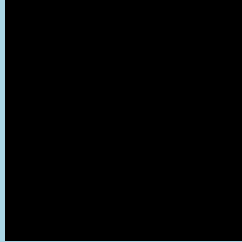
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

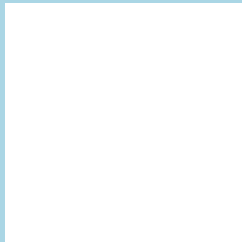
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 16.314, 227.784

Background



This preview shows how black text looks on a background with the CIELCh color 83, 16.314, 227.784.



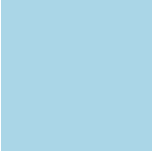
This preview shows how white text looks on a background with the CIELCh color 83, 16.314, 227.784.

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, 16.760, 231.173

Trichromacy



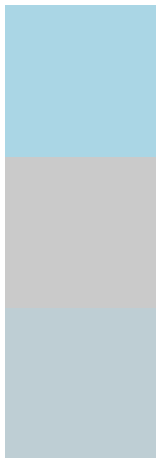
Original Color
83, 16.314, 227.784

Protanomaly
83, 10.421, 259.102

Deuteranomaly
83, 13.444, 279.589

Tritanomaly
83, 16.530, 229.501

Monochromacy



Original Color
83, 16.314, 227.784

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 6.413, 228.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 16.314, 227.784 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(170, 214, 229)` looks like.

```
.text, #text, p{  
    color:rgb(170, 214, 229)  
}
```

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(170, 214, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 214, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 16.314, 227.784 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(170, 214, 229) }
```

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

```
.border{ border-color:rgb(170, 214, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 214, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 214, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 214, 229); box-shadow:4px 4px 4px 4px rgb(170, 214, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 16.314, 227.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 214, 229) }
```

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

```
.background{ background-color: rgb(170,  
214, 229) }
```

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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