

Converting Colors

CIELCh(84, 16.135, 237.582)

Have a look what the booklet for
CIELCh(84, 16.135, 237.582)
contains.

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Color

CIElCh(84, 16.330, 239.195)

Conversions

Conversions Part 1

Format	Color
Hex	B0D7EB
RGB	176, 215, 235
RGB Percent	69%, 84%, 92%
CMY	0.3085, 0.1555, 0.0770
CMYK	0.25, 0.08, 0.00, 0.08
HSL	200°, 60%, 81%
HSV	200°, 25%, 92%
XYZ	57.4166, 64.0658, 88.2036
YIQ	205.6190, -29.6640, -2.0480

Conversions

Conversions Part 2

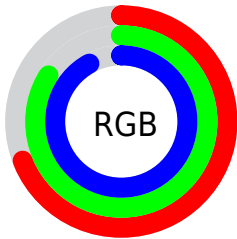
Format	Color
R_{YB}	176, 199, 235
Decimal	11589611
CIE _{Lab}	84.00, -8.36, -14.03
CIE _{LCh}	84, 16.330, 239.195
Yxy	64.0658, 0.2738, 0.3055
Android (android.graphics.Color)	4289779691 (0xFFB0D7EB)
YUV	205.6190, 14.4848, -25.9759
Hunter-Lab	80.0411, -12.0269, -9.3076

Details

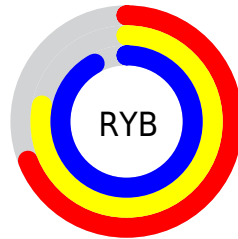
The CIELCh color `84, 16.330, 239.195` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `82, 18.704, 54.408`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 7.855, 198.993`, and `64, 16.314, 239.364` is the 20% darker color. If you saturate the color by 10%, you get `81, 22.256, 240.786`, and if you desaturate by 10%, it is `88, 10.035, 237.924`.

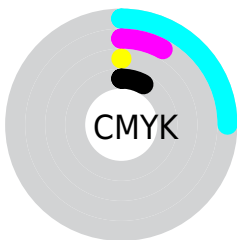
Distribution



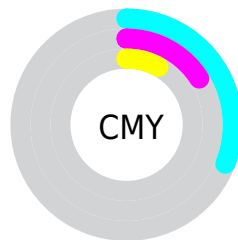
- Red (69%)
- Green (84%)
- Blue (92%)



- Red (69%)
- Yellow (78%)
- Blue (92%)



- Cyan (25%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)





- Cyan (31%)
- Magenta (16%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 16.330, 239.195 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 84, 16.330, 239.195 by changing the saturation by 10% instead.


 84, 16.330,
239.195


 84, 16.330,
239.195


 100, 16.330,
239.195


 74, 16.330,
239.195

 64, 16.330,
239.195

 54, 16.330,
239.195

 44, 16.330,
239.195

 34, 16.330,
239.195

 24, 16.330,
239.195

 14, 16.330,

239.195

■ 4, 16.330, 239.195

■ 0, 16.330, 239.195

■ 84, 16.330,
239.195

■ 84, 16.330,
239.195

■ 81, 22.256,
240.786

■ 88, 10.035,
237.924

■ 77, 27.745,
242.784

■ 91, 3.442, 236.997

■ 74, 32.741,
245.267

■ 95, 3.383, 55.846

■ 71, 37.216,
248.324

■ 98, 6.649, 84.945

■ 100, 9.945,
109.424

■ 68, 41.192,

252.026

■ 65, 44.760,
256.397

■ 63, 48.087,
261.368

■ 61, 49.739,
263.893

Harmonies

Complementary

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



84, 16.330, 239.195



82, 18.704, 54.408

Rectangle

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



84, 16.330, 239.195



84, 16.330, 289.195



84, 16.330, 59.195



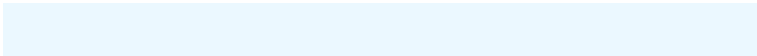
84, 16.330, 109.195

Sweetspot

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



84, 16.329, 239.190



97, 5.761, 237.221



88, 29.510, 153.649



51, 4.083, 237.357



0, 0.000, 0.000



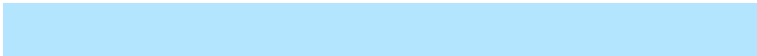
53, 0.007, 296.813

Same Dimension

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



84, 16.329, 239.190



88, 20.589, 239.952



76, 26.572, 285.681



47, 3.813, 237.349



48, 40.441, 262.943



13, 15.943, 254.038

Inverse Universe

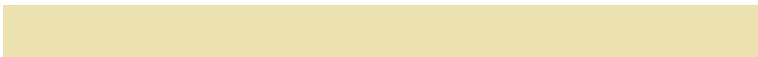
The Inverse Universe completely reimagines the original color for something new.



78, 29.755, 337.783



81, 37.997, 338.211



89, 25.657, 99.490



46, 6.666, 336.546



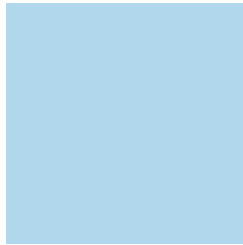
40, 69.734, 347.820



8, 30.783, 344.082

Previews

White Background



This preview shows how the CIE LCh color 84, 16.330, 239.195 looks on a white background.

Color Contrast Check

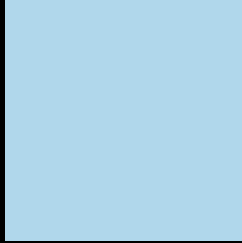
Large Text (above 18pt) WCAG AA × Fail

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 84, 16.330, 239.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

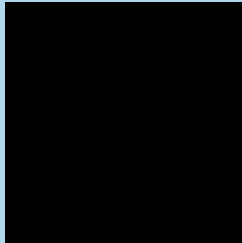
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

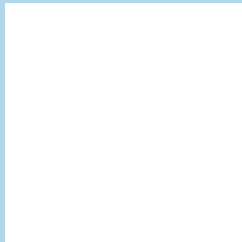
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 16.330, 239.195

Background



This preview shows how black text looks on a background with the CIELCh color 84, 16.330, 239.195.

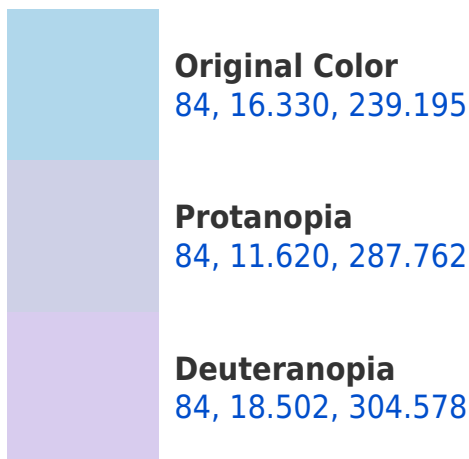


This preview shows how white text looks on a background with the CIELCh color 84, 16.330, 239.195.

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
84, 15.724, 233.605

Trichromacy



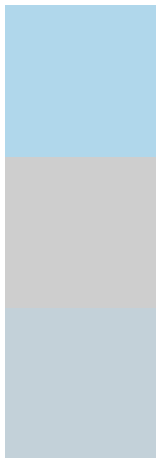
Original Color
84, 16.330, 239.195

Protanomaly
84, 12.212, 264.655

Deuteranomaly
84, 15.398, 283.891

Tritanomaly
84, 15.989, 235.284

Monochromacy



Original Color
84, 16.330, 239.195

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 6.413, 240.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 16.330, 239.195 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(176, 215, 235)` looks like.

```
.text, #text, p{  
    color:rgb(176, 215, 235)  
}
```

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(176, 215, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 215, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 16.330, 239.195 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(176, 215, 235) }
```

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

```
.border{ border-color:rgb(176, 215, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 215, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 215, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 215, 235);  
box-shadow:4px 4px 4px 4px rgb(176, 215,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 16.330, 239.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 215, 235) }
```

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

```
.background{ background-color: rgb(176,  
215, 235) }
```

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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