

Converting Colors

CIELCh(68, 15.348, 192.209)

Have a look what the booklet for
CIELCh(68, 15.348, 192.209)
contains.

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Color

CIELCh(68, 15.329, 191.923)

Conversions

Conversions Part 1

Format	Color
Hex	83AEAB
RGB	131, 174, 171
RGB Percent	51%, 68%, 67%
CMY	0.4868, 0.3181, 0.3299
CMYK	0.25, 0.00, 0.02, 0.32
HSL	176°, 21%, 60%
HSV	176°, 25%, 68%
XYZ	31.7894, 37.9720, 44.1171
YIQ	160.8010, -24.6650, -10.0490

Conversions

Conversions Part 2

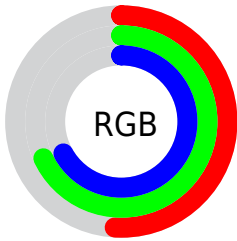
Format	Color
RYB	131, 153, 174
Decimal	8629931
CIELab	68.00, -15.00, -3.17
CIElCh	68, 15.329, 191.923
Yxy	37.9720, 0.2792, 0.3334
Android (android.graphics.Color)	4286820011 (0xFF83AEAB)
YUV	160.8010, 5.0281, -26.1355
Hunter-Lab	61.6215, -15.7526, 0.6871

Details

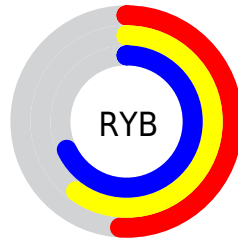
The CIELCh color **68, 15.329, 191.923** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 17.657, 15.849**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 15.526, 190.614**, and **48, 15.537, 191.163** is the 20% darker color. If you saturate the color by 10%, you get **67, 20.824, 191.216**, and if you desaturate by 10%, it is **69, 9.379, 192.636**.

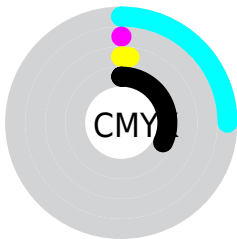
Distribution



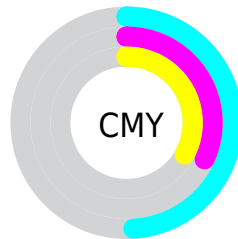
- Red (51%)
- Green (68%)
- Blue (67%)



- Red (51%)
- Yellow (60%)
- Blue (68%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)





- Cyan (49%)
- Magenta (32%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 15.329, 191.923 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 68, 15.329, 191.923 by changing the saturation by 10% instead.


 68, 15.329,
191.923


 68, 15.329,
191.923


 100, 15.329,
191.923


 58, 15.329,
191.923


 88, 15.329,
191.923

 48, 15.329,
191.923

 98, 15.329,
191.923

 38, 15.329,
191.923

 28, 15.329,
191.923

 18, 15.329,
191.923

 8, 15.329, 191.923

 0, 15.329, 191.923

68, 15.329,
191.923

68, 15.329,
191.923

67, 20.824,
191.216

69, 9.379, 192.636

66, 25.756,
190.517

70, 3.075, 193.444

72, 3.486, 13.848

65, 30.027,
189.815

73, 10.221, 14.645

65, 33.560,
189.100

75, 17.059, 15.367

77, 23.943, 16.074

65, 36.306,
188.360

79, 30.830, 16.770

64, 38.264,
187.581

79, 31.765, 15.877

79, 31.755, 14.727

64, 39.486,
186.747

64, 39.972,

186.300

Harmonies

Complementary

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



68, 15.329, 191.923



59, 17.657, 15.849

Rectangle

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



68, 15.329, 191.923



68, 15.329, 241.923



68, 15.329, 11.923



68, 15.329, 61.923

Sweetspot

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



68, 15.330, 191.919



89, 5.626, 193.223



67, 28.190, 140.741



48, 3.681, 193.174



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 15.330, 191.919



86, 22.672, 191.510



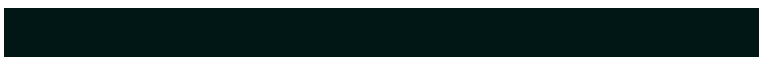
63, 13.078, 249.200



36, 3.640, 193.045



56, 35.904, 186.409



6, 7.900, 191.094

Inverse Universe

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



59, 17.657, 15.849



72, 27.098, 16.582



63, 14.464, 63.296



34, 3.828, 14.262



31, 67.488, 36.584



2, 7.837, 14.677

Previews

White Background



This preview shows how the CIELCh color 68, 15.329, 191.923 looks on a white background.

Color Contrast Check

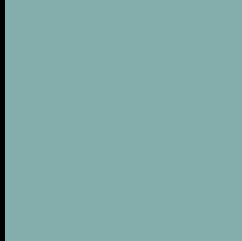
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 15.329, 191.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

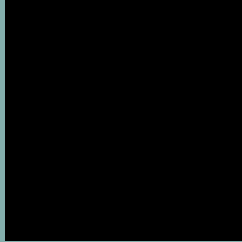
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

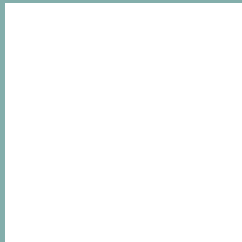
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 15.329, 191.923

Background



This preview shows how black text looks on a background with the CIELCh color 68, 15.329, 191.923.

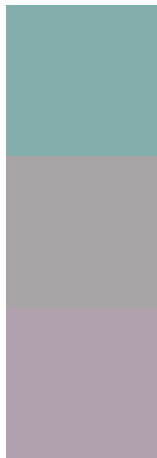


This preview shows how white text looks on a background with the CIELCh color 68, 15.329, 191.923.

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
68, 15.329, 191.923

Protanopia
68, 1.626, 359.465

Deuteranopia
68, 10.064, 330.270



Tritanopia
68, 14.609, 228.018

Trichromacy



Original Color
68, 15.329, 191.923

Protanomaly
68, 5.234, 192.988

Deuteranomaly
68, 4.752, 267.826

Tritanomaly
68, 14.244, 214.144

Monochromacy



Original Color
68, 15.329, 191.923

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 5.968, 193.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 15.329, 191.923 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(131, 174, 171)` looks like.

```
.text, #text, p{  
    color:rgb(131, 174, 171)  
}
```

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(131, 174, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 174, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 15.329, 191.923 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(131, 174, 171) }
```

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

```
.border{ border-color:rgb(131, 174, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 174, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 174, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 174, 171);  
box-shadow:4px 4px 4px 4px rgb(131, 174,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 15.329, 191.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 174, 171) }
```

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

```
.background{ background-color: rgb(131,  
174, 171) }
```

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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