

Converting Colors

CIELCh(68, 14.852, 198.202)

Have a look what the booklet for
CIELCh(68, 14.852, 198.202)
contains.

CIELCh(68, 15.069, 198.183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 15.069, 198.183)

Conversions

Conversions Part 1

Format	Color
Hex	83AEAE
RGB	131, 174, 174
RGB Percent	51%, 68%, 68%
CMY	0.4876, 0.3190, 0.3191
CMYK	0.25, 0.00, 0.00, 0.32
HSL	180°, 21%, 60%
HSV	180°, 25%, 68%
XYZ	31.9771, 37.9720, 45.5045
YIQ	161.1430, -25.6280, -9.1160

Conversions

Conversions Part 2

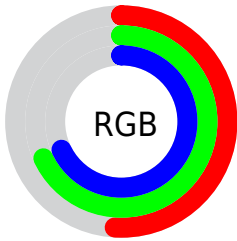
Format	Color
RYB	131, 153, 174
Decimal	8629934
CIELab	68.00, -14.32, -4.70
CIElCh	68, 15.069, 198.183
Yxy	37.9720, 0.2770, 0.3289
Android (android.graphics.Color)	4286820014 (0xFF83AEAE)
YUV	161.1430, 6.3385, -26.4354
Hunter-Lab	61.6215, -15.2089, -0.6478

Details

The CIELCh color `68, 15.069, 198.183` is a light color, and the websafe version is hex `669999`. A complement of this color would be `59, 17.743, 21.272`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `88, 15.261, 196.436`, and `48, 15.200, 197.800` is the 20% darker color. If you saturate the color by 10%, you get `67, 20.364, 197.740`, and if you desaturate by 10%, it is `69, 9.269, 198.677`.

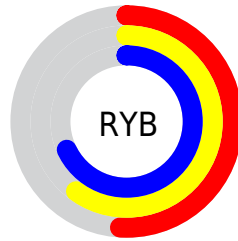
Distribution



Red (51%)

Green (68%)

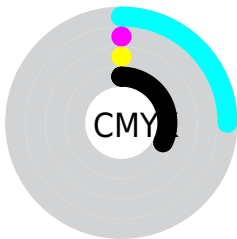
Blue (68%)



Red (51%)

Yellow (60%)

Blue (68%)

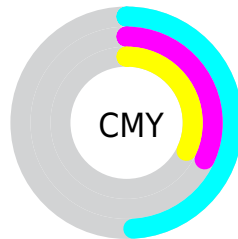


Cyan (25%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (49%)


Magenta (32%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 15.069, 198.183 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, 15.069, 198.183 by changing the saturation by 10% instead.


 68, 15.069,
198.183


 68, 15.069,
198.183


 100, 15.069,
198.183


 58, 15.069,
198.183


 88, 15.069,
198.183

 48, 15.069,
198.183

 98, 15.069,
198.183

 38, 15.069,
198.183

 28, 15.069,
198.183

 18, 15.069,
198.183

 8, 15.069, 198.183

 0, 15.069, 198.183

68, 15.069,
198.183

68, 15.069,
198.183

67, 20.364,
197.740

69, 9.269, 198.677

66, 25.052,
197.361

70, 3.065, 199.306

66, 29.043,
197.044

72, 3.447, 19.553

65, 32.270,
196.791

73, 10.181, 20.228

65, 34.699,
196.603

75, 17.064, 20.847

64, 36.337,
196.476

77, 24.033, 21.466

64, 37.248,
196.407

78, 31.041, 22.089

64, 37.571,

79, 32.172, 22.189

79, 32.172, 22.188

Harmonies

Complementary

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



68, 15.069, 198.183



59, 17.743, 21.272

Rectangle

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



68, 15.069, 198.183



68, 15.069, 248.183



68, 15.069, 18.183



68, 15.069, 68.183

Sweetspot

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



68, 15.070, 198.178



89, 5.575, 199.126



67, 28.807, 142.413



48, 3.647, 199.087



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, 15.070, 198.178



86, 22.226, 197.918



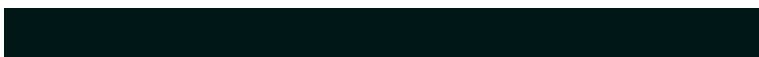
62, 13.771, 257.199



36, 3.603, 198.986



56, 33.808, 196.382



6, 7.801, 199.418

Inverse Universe

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



59, 17.743, 21.272



72, 27.309, 21.922



64, 14.812, 70.621



34, 3.818, 19.907



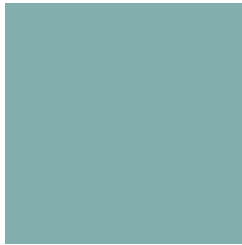
31, 69.981, 39.445



2, 7.802, 19.403

Previews

White Background



This preview shows how the CIELCh color 68, 15.069, 198.183 looks on a white background.

Color Contrast Check

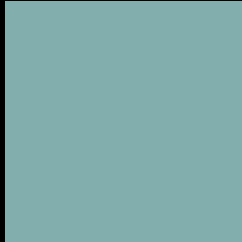
Large Text (above 18pt) WCAG AA × Fail

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, 15.069, 198.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

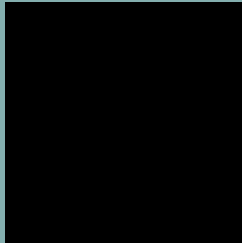
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 15.069, 198.183

Background



This preview shows how black text looks on a background with the CIELCh color 68, 15.069, 198.183.

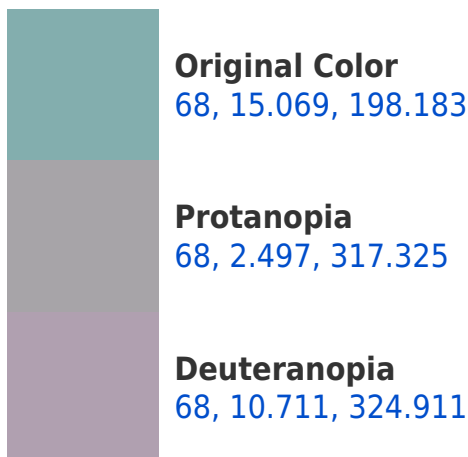


This preview shows how white text looks on a background with the CIELCh color 68, 15.069, 198.183.

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](#).

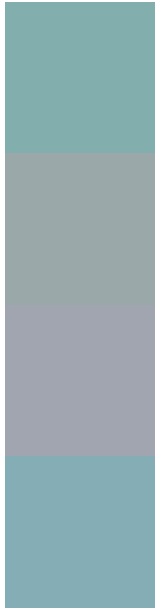
Dichromacy





Tritanopia
68, 15.102, 229.378

Trichromacy



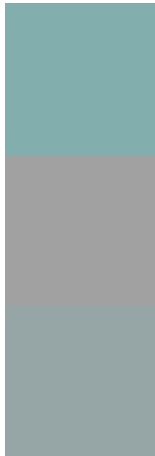
Original Color
68, 15.069, 198.183

Protanomaly
68, 5.250, 211.208

Deuteranomaly
68, 5.780, 272.258

Tritanomaly
68, 14.765, 218.086

Monochromacy



Original Color
68, 15.069, 198.183

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 5.916, 198.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 15.069, 198.183 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, 174)` looks like.

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

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, 174) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 68, 15.069, 198.183 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, 174) }
```

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

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

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, 174)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 68, 15.069, 198.183 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, 174) }
```

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor