

Converting Colors

CIELCh(68, 18.922, 168.822)

Have a look what the booklet for
CIELCh(68, 18.922, 168.822)
contains.

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Color

CIELCh(68, 18.757, 169.783)

Conversions

Conversions Part 1

Format	Color
Hex	82AF9F
RGB	130, 175, 159
RGB Percent	51%, 69%, 62%
CMY	0.4897, 0.3132, 0.3760
CMYK	0.26, 0.00, 0.09, 0.31
HSL	159°, 22%, 60%
HSV	159°, 26%, 69%
XYZ	30.8477, 37.9720, 38.5606
YIQ	159.7210, -21.6840, -14.5160

Conversions

Conversions Part 2

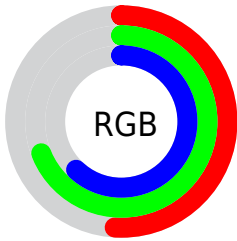
Format	Color
RYB	130, 157, 175
Decimal	8564639
CIELab	68.00, -18.46, 3.33
CIELCh	68, 18.757, 169.783
Yxy	37.9720, 0.2873, 0.3536
Android (android.graphics.Color)	4286754719 (0xFF82AF9F)
YUV	159.7210, -0.3555, -26.0653
Hunter-Lab	61.6215, -18.4803, 6.0333

Details

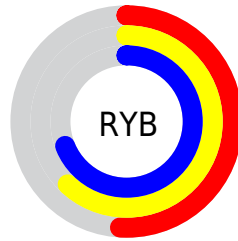
The CIELCh color **68, 18.757, 169.783** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 19.919, 354.840**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 18.779, 169.913**, and **48, 18.491, 170.823** is the 20% darker color. If you saturate the color by 10%, you get **67, 25.681, 168.657**, and if you desaturate by 10%, it is **69, 11.568, 170.815**.

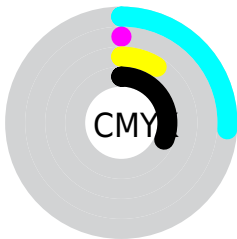
Distribution



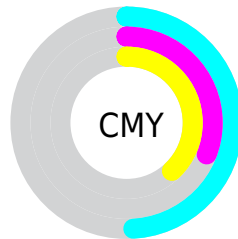
- Red (51%)
- Green (69%)
- Blue (62%)



- Red (51%)
- Yellow (62%)
- Blue (69%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (31%)





- Cyan (49%)
- Magenta (31%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 18.757, 169.783 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, 18.757, 169.783 by changing the saturation by 10% instead.


 68, 18.757,
169.783


 68, 18.757,
169.783


 100, 18.757,
169.783


 58, 18.757,
169.783


 88, 18.757,
169.783

 48, 18.757,
169.783

 98, 18.757,
169.783

 38, 18.757,
169.783

 28, 18.757,
169.783

 18, 18.757,
169.783

 8, 18.757, 169.783

 0, 18.757, 169.783

■ 68, 18.757,
169.783

■ 68, 18.757,
169.783

■ 67, 25.681,
168.657

■ 69, 11.568,
170.815

■ 66, 32.216,
167.418

■ 71, 4.219, 171.816

■ 72, 3.197, 352.460

■ 65, 38.244,
166.041

■ 74, 10.603,
353.366

■ 64, 43.656,
164.500

■ 76, 17.941,
354.149

■ 64, 48.373,
162.772

■ 78, 25.169,
354.881

■ 64, 52.364,
160.843


■ 80, 32.256,
355.573

■ 63, 55.668,
158.719

■ 80, 34.279,
351.237

■ 63, 56.994,

157.812

 80, 35.812,
346.549

Harmonies

Complementary

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



68, 18.757, 169.783



59, 19.919, 354.840

Rectangle

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



68, 18.757, 169.783



68, 18.757, 219.783



68, 18.757, 349.783



68, 18.757, 39.783

Sweetspot

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



68, 18.758, 169.781



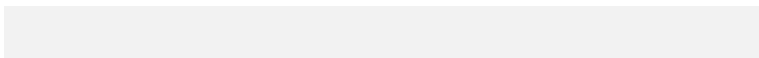
89, 7.307, 171.565



68, 27.008, 132.441



47, 5.232, 171.416



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, 18.758, 169.781



85, 27.718, 169.138



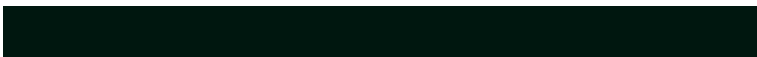
67, 13.885, 212.251



36, 4.152, 171.449



55, 50.700, 158.111



6, 9.382, 166.421

Inverse Universe

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



59, 19.919, 354.840



72, 29.854, 355.589



60, 16.568, 32.595



34, 4.244, 353.020



31, 57.668, 14.968



2, 8.508, 356.650

Previews

White Background



This preview shows how the CIELCh color 68, 18.757, 169.783 looks on a white background.

Color Contrast Check

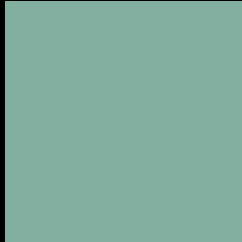
Large Text (above 18pt) WCAG AA × Fail

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, 18.757, 169.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

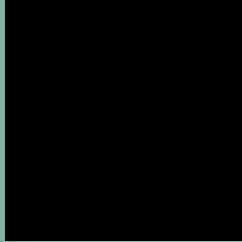
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 18.757, 169.783

Background



This preview shows how black text looks on a background with the CIELCh color 68, 18.757, 169.783.

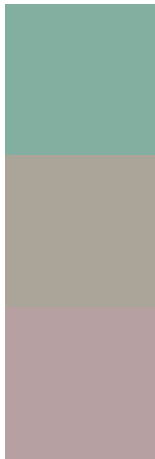


This preview shows how white text looks on a background with the CIELCh color 68, 18.757, 169.783.

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, 18.757, 169.783

Protanopia
68, 6.979, 89.808

Deuteranopia
68, 8.606, 12.840



Tritanopia
68, 14.310, 231.379

Trichromacy



Original Color
68, 18.757, 169.783

Protanomaly
68, 9.206, 142.102

Deuteranomaly
68, 2.983, 132.406

Tritanomaly
68, 14.041, 205.094

Monochromacy



Original Color
68, 18.757, 169.783

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 7.234, 171.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 18.757, 169.783 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(130, 175, 159)` looks like.

```
.text, #text, p{  
    color:rgb(130, 175, 159)  
}
```

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(130, 175, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 175, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 18.757, 169.783 is called "border". The border property can be set on classes, ids or directly on the HTML element.

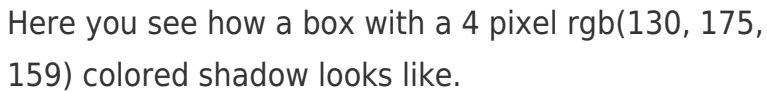
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(130, 175, 159) }
```

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

```
.border{ border-color:rgb(130, 175, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(130, 175, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 175, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 175, 159);  
box-shadow:4px 4px 4px 4px rgb(130, 175,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 18.757, 169.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 175, 159) }
```

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

```
.background{ background-color: rgb(130,  
175, 159) }
```

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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