

Converting Colors

CIELCh(68, 20.295, 163.324)

Have a look what the booklet for
CIELCh(68, 20.295, 163.324)
contains.

CIELCh(68, 19.752, 163.882)	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, 19.752, 163.882)

Conversions

Conversions Part 1

Format	Color
Hex	83AF9B
RGB	131, 175, 155
RGB Percent	51%, 69%, 61%
CMY	0.4854, 0.3128, 0.3912
CMYK	0.25, 0.00, 0.11, 0.31
HSL	153°, 22%, 60%
HSV	153°, 25%, 69%
XYZ	30.7090, 37.9720, 36.8244
YIQ	159.5640, -19.8040, -15.5480

Conversions

Conversions Part 2

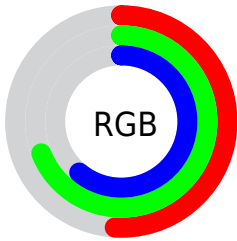
Format	Color
RYB	131, 159, 175
Decimal	8630171
CIELab	68.00, -18.98, 5.48
CIELCh	68, 19.752, 163.882
Yxy	37.9720, 0.2911, 0.3599
Android (android.graphics.Color)	4286820251 (0xFF83AF9B)
YUV	159.5640, -2.2501, -25.0506
Hunter-Lab	61.6215, -18.8823, 7.7039

Details

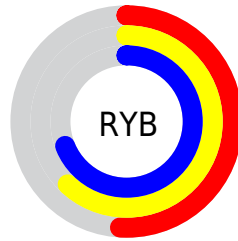
The CIELCh color **68, 19.752, 163.882** is a light color, and the websafe version is hex **669999**. A complement of this color would be **60, 20.524, 348.510**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 20.015, 163.069**, and **48, 19.578, 164.462** is the 20% darker color. If you saturate the color by 10%, you get **67, 27.352, 162.778**, and if you desaturate by 10%, it is **69, 11.947, 164.880**.

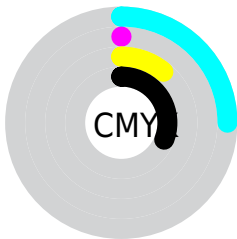
Distribution



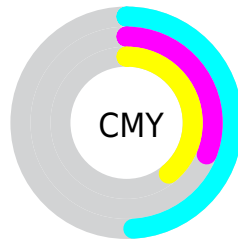
- Red (51%)
- Green (69%)
- Blue (61%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (11%)
- Black (31%)





- Cyan (49%)
- Magenta (31%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 19.752, 163.882 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, 19.752, 163.882 by changing the saturation by 10% instead.

 68, 19.752,
163.882


 68, 19.752,
163.882


 100, 19.752,
163.882


 58, 19.752,
163.882


 88, 19.752,
163.882

 48, 19.752,
163.882

 98, 19.752,
163.882

 38, 19.752,
163.882

 28, 19.752,
163.882

 18, 19.752,
163.882

 8, 19.752, 163.882

 0, 19.752, 163.882

68, 19.752,
163.882

68, 19.752,
163.882

67, 27.352,
162.778

69, 11.947,
164.880

66, 34.619,
161.546

71, 4.043, 165.837

65, 41.422,
160.159

72, 3.865, 346.460

64, 47.640,
158.595

74, 11.706,
347.280

64, 53.175,
156.832

76, 19.425,
347.991

63, 57.979,
154.860

78, 26.984,
348.649


63, 62.067,
152.691

80, 34.357,
349.263

63, 63.926,

80, 36.799,
343.939

151.640

 80, 39.264,
338.918

Harmonies

Complementary

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



68, 19.752, 163.882



60, 20.524, 348.510

Rectangle

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



68, 19.752, 163.882



68, 19.752, 213.882



68, 19.752, 343.882



68, 19.752, 33.882

Sweetspot

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



68, 19.753, 163.880



89, 7.809, 165.540



69, 25.699, 129.103



47, 5.595, 165.399



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, 19.753, 163.880



85, 28.983, 163.299



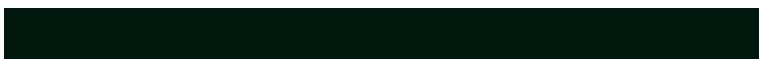
68, 14.862, 201.347



36, 4.440, 165.430



55, 56.791, 151.947



6, 10.045, 161.121

Inverse Universe

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



60, 20.524, 348.510



73, 30.359, 349.122



59, 17.597, 23.877



34, 4.507, 346.917



32, 56.964, 5.524



2, 8.914, 351.235

Previews

White Background



This preview shows how the CIELCh color 68, 19.752, 163.882 looks on a white background.

Color Contrast Check

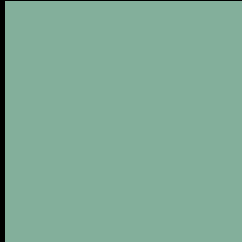
Large Text (above 18pt) WCAG AA × Fail

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, 19.752, 163.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

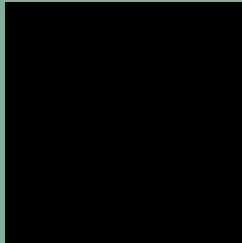
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 19.752, 163.882

Background



This preview shows how black text looks on a background with the CIELCh color 68, 19.752, 163.882.

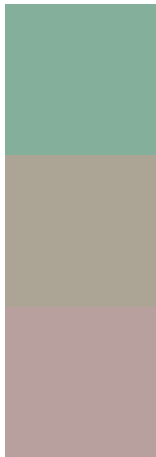


This preview shows how white text looks on a background with the CIELCh color 68, 19.752, 163.882.

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](#).

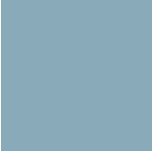
Dichromacy



Original Color
68, 19.752, 163.882

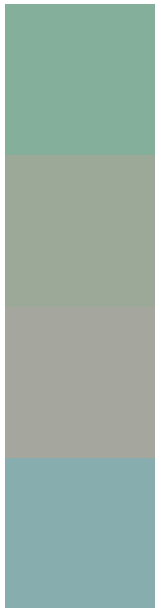
Protanopia
68, 8.670, 90.735

Deuteranopia
68, 9.478, 26.818



Tritanopia
68, 13.780, 232.844

Trichromacy



Original Color
68, 19.752, 163.882

Protanomaly
68, 10.454, 135.507

Deuteranomaly
68, 4.956, 114.119

Tritanomaly
68, 13.414, 200.692

Monochromacy



Original Color
68, 19.752, 163.882

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 7.536, 162.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 19.752, 163.882 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, 175, 155)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 155)  
}
```

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, 175, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 19.752, 163.882 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, 175, 155) }
```

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

```
.border{ border-color:rgb(131, 175, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 175, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 155);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 19.752, 163.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 175, 155) }
```

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

```
.background{ background-color: rgb(131,  
175, 155) }
```

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