

Converting Colors

CIELCh(68, 19.431, 182.714)

Have a look what the booklet for
CIELCh(68, 19.431, 182.714)
contains.

CIELCh(68, 19.404, 182.928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 19.404, 182.928)

Conversions

Conversions Part 1

Format	Color
Hex	7BB0A7
RGB	123, 176, 167
RGB Percent	48%, 69%, 65%
CMY	0.5182, 0.3104, 0.3457
CMYK	0.30, 0.00, 0.05, 0.31
HSL	170°, 25%, 59%
HSV	170°, 30%, 69%
XYZ	30.6009, 37.9720, 42.1998
YIQ	159.1270, -28.6990, -14.0350

Conversions

Conversions Part 2

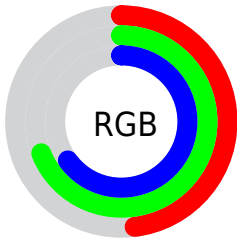
Format	Color
RYB	123, 152, 176
Decimal	8106151
CIELab	68.00, -19.38, -0.99
CIElCh	68, 19.404, 182.928
Yxy	37.9720, 0.2762, 0.3428
Android (android.graphics.Color)	4286296231 (0xFF7BB0A7)
YUV	159.1270, 3.8814, -31.6834
Hunter-Lab	61.6215, -19.1954, 2.5319

Details

The CIELCh color **68, 19.404, 182.928** is a light color, and the websafe version is hex **669999**. A complement of this color would be **57, 22.223, 8.844**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.522, 182.526**, and **48, 19.197, 183.033** is the 20% darker color. If you saturate the color by 10%, you get **67, 25.094, 181.940**, and if you desaturate by 10%, it is **69, 13.270, 183.864**.

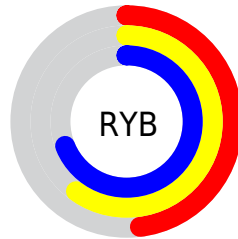
Distribution



Red (48%)

Green (69%)

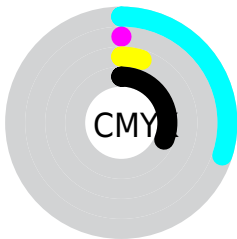
Blue (65%)



Red (48%)

Yellow (60%)

Blue (69%)

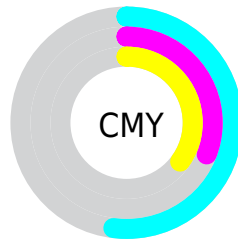


Cyan (30%)

Magenta (0%)

Yellow (5%)

Black (31%)



Cyan (52%)

Magenta (31%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 19.404, 182.928 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, 19.404, 182.928 by changing the saturation by 10% instead.


 68, 19.404,
182.928


 68, 19.404,
182.928


 100, 19.404,
182.928


 58, 19.404,
182.928


 88, 19.404,
182.928

 48, 19.404,
182.928

 98, 19.404,
182.928

 38, 19.404,
182.928

 28, 19.404,
182.928

 18, 19.404,
182.928

 8, 19.404, 182.928

 0, 19.404, 182.928

■ 68, 19.404,
182.928

■ 68, 19.404,
182.928

■ 67, 25.094,
181.940

■ 69, 13.270,
183.864

■ 66, 30.226,
180.891

■ 70, 6.798, 184.784

■ 72, 0.092, 190.718

■ 66, 34.700,
179.761

■ 73, 6.762, 6.320

■ 65, 38.441,
178.528

■ 75, 13.688, 7.153

■ 65, 41.411,
177.170

■ 77, 20.627, 7.940

■ 79, 27.535, 8.699

■ 64, 43.624,
175.668

■ 80, 31.161, 7.694

■ 64, 45.250,
174.082

■ 80, 31.408, 4.863

Harmonies

Complementary

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



68, 19.404, 182.928



57, 22.223, 8.844

Rectangle

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



68, 19.404, 182.928



68, 19.404, 232.928



68, 19.404, 2.928



68, 19.404, 52.928

Sweetspot

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



68, 19.405, 182.925



90, 7.504, 184.876



68, 33.570, 137.707



47, 5.198, 184.742



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, 19.405, 182.925



86, 28.258, 182.292



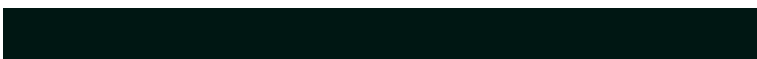
63, 15.227, 236.803



36, 3.757, 184.863



56, 40.235, 174.310



6, 8.276, 180.663

Inverse Universe

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



57, 22.223, 8.844



70, 33.427, 9.835



61, 18.101, 51.620



34, 3.908, 6.347



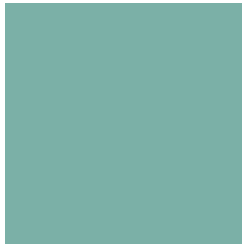
31, 63.400, 30.704



2, 7.979, 8.046

Previews

White Background



This preview shows how the CIELCh color 68, 19.404, 182.928 looks on a white background.

Color Contrast Check

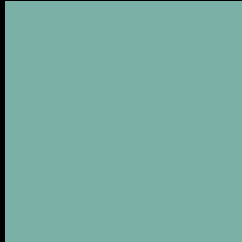
Large Text (above 18pt) WCAG AA × Fail

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 68, 19.404, 182.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

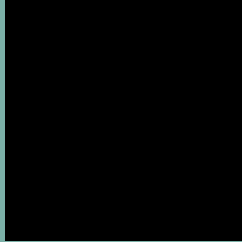
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 19.404, 182.928

Background



This preview shows how black text looks on a background with the CIELCh color 68, 19.404, 182.928.

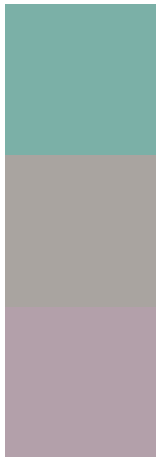


This preview shows how white text looks on a background with the CIELCh color 68, 19.404, 182.928.

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, 19.404, 182.928

Protanopia
68, 2.905, 68.460

Deuteranopia
68, 9.108, 343.079



Tritanopia
68, 16.966, 225.528

Trichromacy



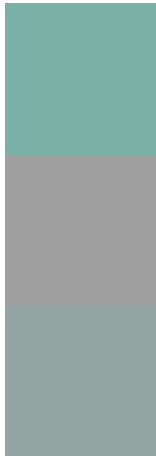
Original Color
68, 19.404, 182.928

Protanomaly
67, 6.894, 170.188

Deuteranomaly
68, 3.060, 232.119

Tritanomaly
68, 16.888, 209.473

Monochromacy



Original Color
68, 19.404, 182.928

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 7.280, 185.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 19.404, 182.928 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(123, 176, 167)` looks like.

```
.text, #text, p{  
    color:rgb(123, 176, 167)  
}
```

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(123, 176, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 176, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 19.404, 182.928 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(123, 176, 167) }
```

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

```
.border{ border-color:rgb(123, 176, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 176, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 176, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 176, 167);  
box-shadow:4px 4px 4px 4px rgb(123, 176,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 19.404, 182.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 176, 167) }
```

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

```
.background{ background-color: rgb(123,  
176, 167) }
```

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