

Converting Colors

CIELCh(68, 31.605, 198.199)

Have a look what the booklet for
CIELCh(68, 31.605, 198.199)
contains.

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Color

CIELCh(68, 31.631, 197.936)

Conversions

Conversions Part 1

Format	Color
Hex	49B5B6
RGB	73, 181, 182
RGB Percent	29%, 71%, 71%
CMY	0.7125, 0.2891, 0.2852
CMYK	0.60, 0.01, 0.00, 0.29
HSL	181°, 43%, 50%
HSV	181°, 60%, 71%
XYZ	27.8192, 37.9720, 50.2612
YIQ	148.8220, -64.6890, -22.5850

Conversions

Conversions Part 2

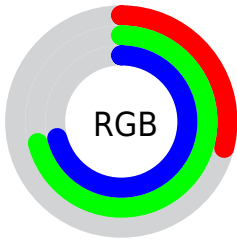
Format	Color
RYB	73, 127, 182
Decimal	4830646
CIELab	68.00, -30.09, -9.74
CIElCh	68, 31.631, 197.936
Yxy	37.9720, 0.2397, 0.3272
Android (android.graphics.Color)	4283020726 (0xFF49B5B6)
YUV	148.8220, 16.3568, -66.4959
Hunter-Lab	61.6215, -27.2530, -5.2246

Details

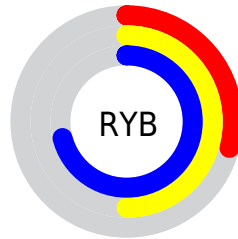
The CIELCh color **68, 31.631, 197.936** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **46, 49.423, 27.778**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 31.538, 198.333**, and **48, 29.908, 197.554** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.510, 197.789**, and if you desaturate by 10%, it is **69, 27.932, 198.157**.

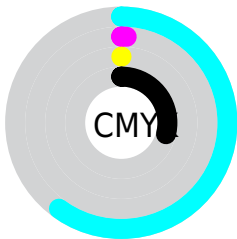
Distribution



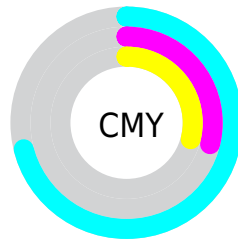
- Red (29%)
- Green (71%)
- Blue (71%)



- Red (29%)
- Yellow (50%)
- Blue (71%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (29%)





- Cyan (71%)
- Magenta (29%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 31.631, 197.936 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, 31.631, 197.936 by changing the saturation by 10% instead.


 68, 31.631,
197.936


 68, 31.631,
197.936


 100, 31.631,
197.936


 58, 31.631,
197.936


 88, 31.631,
197.936

 48, 31.631,
197.936

 98, 31.631,
197.936

 38, 31.631,
197.936

 28, 31.631,
197.936

 18, 31.631,
197.936

 8, 31.631, 197.936

 0, 31.631, 197.936

68, 31.631,
197.936

68, 31.631,
197.936

67, 34.510,
197.789

69, 27.932,
198.157

67, 36.554,
197.724

69, 23.470,
198.453

67, 37.799,
197.735

70, 18.327,
198.819

67, 38.427,
197.807

72, 12.606,
199.250

67, 38.440,
197.808

73, 6.412, 199.757

74, 0.151, 16.776

76, 6.989, 20.655

77, 14.018, 21.259

79, 21.170, 21.856

Harmonies

Complementary

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



68, 31.631, 197.936



46, 49.423, 27.778

Rectangle

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



68, 31.631, 197.936



68, 31.631, 247.936



68, 31.631, 17.936



68, 31.631, 67.936

Sweetspot

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



68, 31.631, 197.934



91, 14.276, 199.319



66, 69.646, 139.318



48, 9.909, 199.184



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 31.631, 197.934



86, 43.003, 197.758



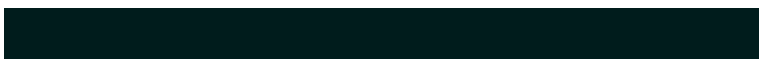
52, 34.149, 267.717



38, 3.742, 199.782



58, 34.200, 197.791



8, 10.365, 198.949

Inverse Universe

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



50, 68.521, 327.689



60, 96.408, 328.137



58, 40.557, 67.958



36, 6.867, 325.171



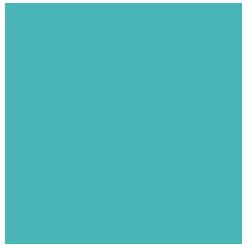
37, 79.328, 328.593



3, 18.651, 325.081

Previews

White Background



This preview shows how the CIELCh color 68, 31.631, 197.936 looks on a white background.

Color Contrast Check

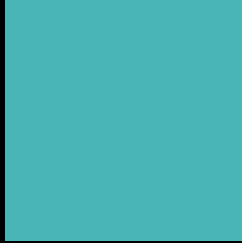
Large Text (above 18pt) WCAG AA × Fail

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, 31.631, 197.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

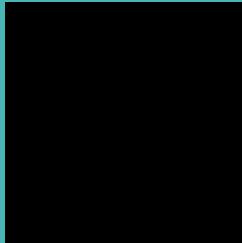
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

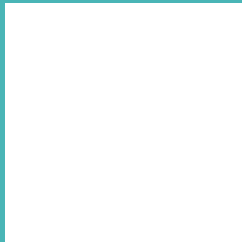
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 31.631, 197.936

Background



This preview shows how black text looks on a background with the CIELCh color 68, 31.631, 197.936.

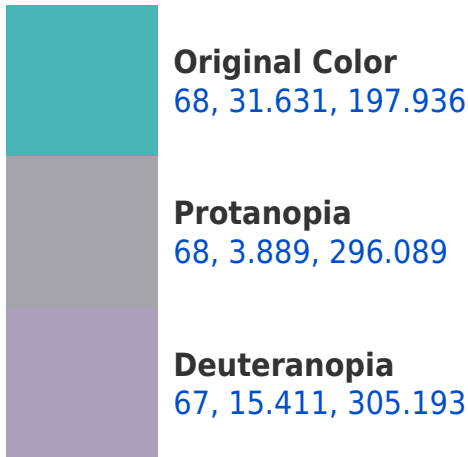


This preview shows how white text looks on a background with the CIELCh color 68, 31.631, 197.936.

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, 29.735, 213.581

Trichromacy



Original Color
68, 31.631, 197.936



Protanomaly
67, 13.495, 210.237



Deuteranomaly
67, 14.425, 239.552



Tritanomaly
68, 30.271, 207.735

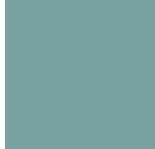
Monochromacy



Original Color
68, 31.631, 197.936



Achromatopsia
62, 0.008, 296.813



Achromatomaly
63, 14.221, 198.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 31.631, 197.936 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(73, 181, 182)` looks like.

```
.text, #text, p{  
    color:rgb(73, 181, 182)  
}
```

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(73, 181, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 181, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 31.631, 197.936 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(73, 181, 182) }
```

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

```
.border{ border-color:rgb(73, 181, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 181, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 181, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 181, 182);  
box-shadow:4px 4px 4px 4px rgb(73, 181,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 31.631, 197.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 181, 182) }
```

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

```
.background{ background-color: rgb(73, 181,  
182) }
```

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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