

Converting Colors

CIELCh(68, 31.981, 185.820)

Have a look what the booklet for
CIELCh(68, 31.981, 185.820)
contains.

CIELCh(68, 31.993, 185.845)	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, 31.993, 185.845)

Conversions

Conversions Part 1

Format	Color
Hex	52B6AB
RGB	82, 182, 171
RGB Percent	32%, 71%, 67%
CMY	0.6803, 0.2880, 0.3311
CMYK	0.55, 0.00, 0.06, 0.29
HSL	173°, 41%, 52%
HSV	173°, 55%, 71%
XYZ	27.3859, 37.9720, 44.1987
YIQ	150.8460, -56.0690, -24.6210

Conversions

Conversions Part 2

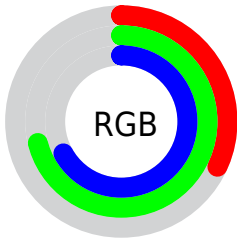
Format	Color
R _Y B	82, 135, 182
Decimal	5420715
CIE Lab	68.00, -31.83, -3.26
CIE LCh	68, 31.993, 185.845
Yxy	37.9720, 0.2500, 0.3466
Android (android.graphics.Color)	4283610795 (0xFF52B6AB)
YUV	150.8460, 9.9359, -60.3779
Hunter-Lab	61.6215, -28.5084, 0.6086

Details

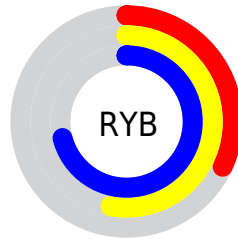
The CIELCh color **68, 31.993, 185.845** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **48, 43.750, 18.139**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 31.802, 185.872**, and **48, 32.153, 185.484** is the 20% darker color. If you saturate the color by 10%, you get **67, 35.831, 184.910**, and if you desaturate by 10%, it is **69, 27.404, 186.727**.

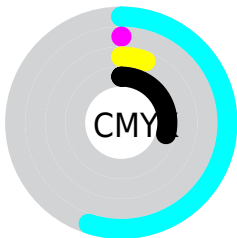
Distribution



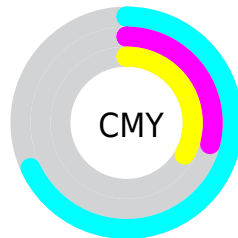
- Red (32%)
- Green (71%)
- Blue (67%)



- Red (32%)
- Yellow (53%)
- Blue (71%)



- Cyan (55%)
- Magenta (0%)
- Yellow (6%)
- Black (29%)





- Cyan (68%)
- Magenta (29%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 31.993, 185.845 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, 31.993, 185.845 by changing the saturation by 10% instead.


 68, 31.993,
185.845


 68, 31.993,
185.845


 100, 31.993,
185.845


 58, 31.993,
185.845


 88, 31.993,
185.845

 48, 31.993,
185.845

 98, 31.993,
185.845

 38, 31.993,
185.845

 28, 31.993,
185.845

 18, 31.993,
185.845

 8, 31.993, 185.845

 0, 31.993, 185.845

68, 31.993,
185.845

68, 31.993,
185.845

67, 35.831,
184.910

69, 27.404,
186.727

67, 38.863,
183.910

70, 22.148,
187.575

67, 41.086,
182.823

71, 16.331,
188.400

66, 42.554,
181.635

72, 10.066,
189.217

66, 43.130,
181.039

73, 3.461, 190.095

75, 3.384, 10.575

76, 10.382, 11.433

78, 17.463, 12.201

80, 24.570, 12.944

Harmonies

Complementary

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



68, 31.993, 185.845



48, 43.750, 18.139

Rectangle

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



68, 31.993, 185.845



68, 31.993, 235.845



68, 31.993, 5.845



68, 31.993, 55.845

Sweetspot

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



68, 31.993, 185.843



91, 14.016, 189.038



67, 62.756, 137.521



48, 9.407, 188.874



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, 31.993, 185.843



86, 44.602, 184.713



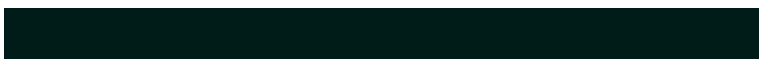
57, 27.569, 251.475



38, 3.856, 189.699



58, 38.419, 181.202



8, 10.971, 185.604

Inverse Universe

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



48, 43.750, 18.139



57, 65.699, 21.601



56, 36.725, 57.002



36, 4.039, 11.058



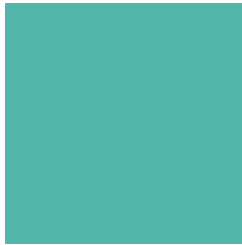
32, 67.647, 34.678



2, 10.727, 12.751

Previews

White Background



This preview shows how the CIELCh color 68, 31.993, 185.845 looks on a white background.

Color Contrast Check

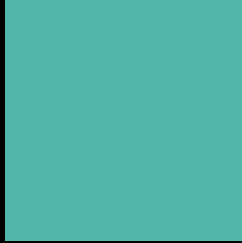
Large Text (above 18pt) WCAG AA × Fail

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, 31.993, 185.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

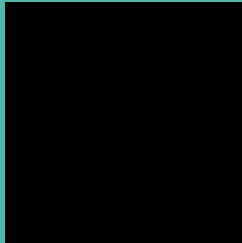
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

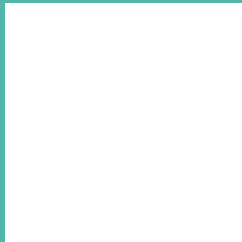
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 31.993, 185.845

Background



This preview shows how black text looks on a background with the CIELCh color 68, 31.993, 185.845.

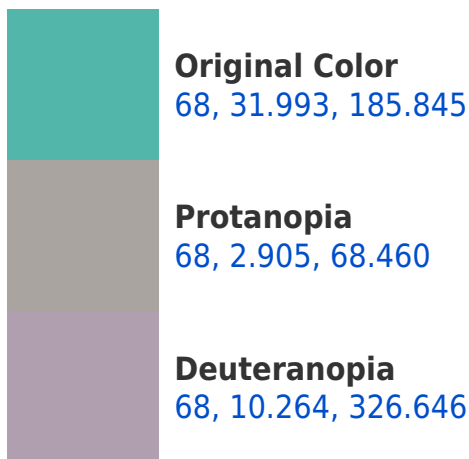


This preview shows how white text looks on a background with the CIELCh color 68, 31.993, 185.845.

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](#).

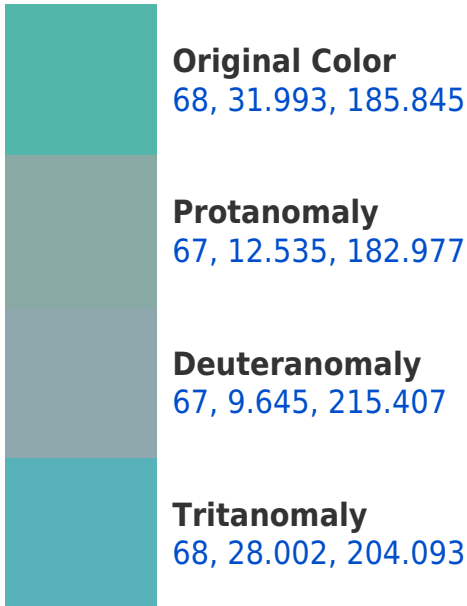
Dichromacy



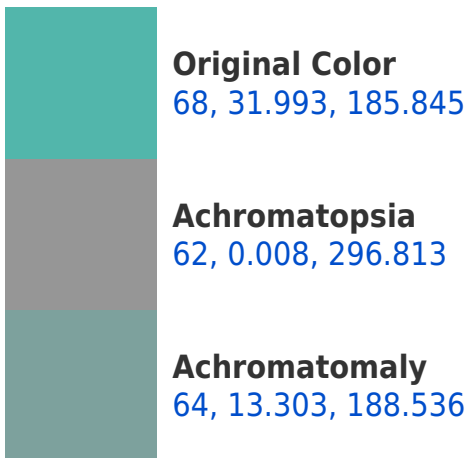


Tritanopia
68, 27.206, 215.329

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 31.993, 185.845 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(82, 182, 171)` looks like.

```
.text, #text, p{  
    color:rgb(82, 182, 171)  
}
```

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(82, 182, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 182, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 31.993, 185.845 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(82, 182, 171) }
```

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

```
.border{ border-color:rgb(82, 182, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 182, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 182, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 182, 171);  
box-shadow:4px 4px 4px 4px rgb(82, 182,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 31.993, 185.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 182, 171) }
```

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

```
.background{ background-color: rgb(82, 182,  
171) }
```

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