

Converting Colors

CIELCh(68, 31.405, 202.903)

Have a look what the booklet for
CIELCh(68, 31.405, 202.903)
contains.

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Color

CIELCh(68, 31.369, 203.114)

Conversions

Conversions Part 1

Format	Color
Hex	48B5BB
RGB	72, 181, 187
RGB Percent	28%, 71%, 73%
CMY	0.7180, 0.2905, 0.2670
CMYK	0.62, 0.03, 0.00, 0.27
HSL	183°, 46%, 51%
HSV	183°, 62%, 73%
XYZ	28.1329, 37.9720, 52.8136
YIQ	149.0930, -66.8900, -21.2420

Conversions

Conversions Part 2

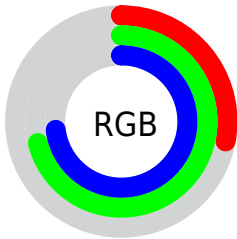
Format	Color
RYB	72, 128, 187
Decimal	4765115
CIELab	68.00, -28.85, -12.31
CIELCh	68, 31.369, 203.114
Yxy	37.9720, 0.2366, 0.3193
Android (android.graphics.Color)	4282955195 (0xFF48B5BB)
YUV	149.0930, 18.6882, -67.6106
Hunter-Lab	61.6215, -26.3445, -7.6804




Details

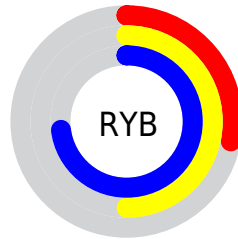
The CIELCh color **68, 31.369, 203.114** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **48, 50.658, 30.624**, and the grayscale version is **62, 0.008, 296.813**.




A 20% lighter version of the original color is **88, 31.228, 203.249**, and **48, 29.300, 203.553** is the 20% darker color. If you saturate the color by 10%, you get **67, 33.969, 203.387**, and if you desaturate by 10%, it is **69, 27.937, 202.986**.

Distribution







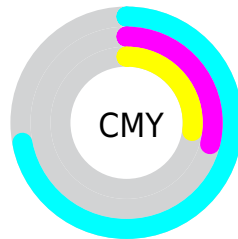
-  Red (28%)
-  Green (71%)
-  Blue (73%)






-  Red (28%)
-  Yellow (50%)
-  Blue (73%)



-  Cyan (62%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (27%)





-  Cyan (72%)
-  Magenta (29%)
-  Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 31.369, 203.114 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, 31.369, 203.114 by changing the saturation by 10% instead.


 68, 31.369,
203.114


 68, 31.369,
203.114


 100, 31.369,
203.114


 58, 31.369,
203.114


 88, 31.369,
203.114

 48, 31.369,
203.114

 98, 31.369,
203.114

 38, 31.369,
203.114

 28, 31.369,
203.114

 18, 31.369,
203.114

 8, 31.369, 203.114

 0, 31.369, 203.114

68, 31.369,
203.114

68, 31.369,
203.114

67, 33.969,
203.387

69, 27.937,
202.986

67, 35.725,
203.827

70, 23.730,
202.991

66, 36.680,
204.443

71, 18.830,
203.111

66, 37.032,
205.077

72, 13.339,
203.331

74, 7.362, 203.650

76, 1.000, 204.456

77, 5.653, 24.233

79, 12.517, 24.721

81, 19.523, 25.199

Harmonies

Complementary

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



68, 31.369, 203.114



48, 50.658, 30.624

Rectangle

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



68, 31.369, 203.114



68, 31.369, 253.114



68, 31.369, 23.114



68, 31.369, 73.114

Sweetspot

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



68, 31.369, 203.112



92, 13.912, 203.423



68, 70.620, 140.315



49, 9.655, 203.339



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 31.369, 203.112



85, 42.166, 203.529



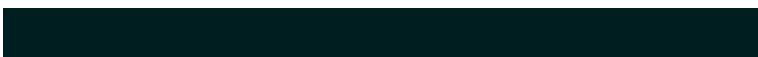
51, 38.506, 273.552



39, 3.668, 203.737



56, 32.744, 204.960



9, 10.870, 203.609

Inverse Universe

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



50, 69.498, 329.130



60, 96.755, 329.680



60, 43.236, 72.463



37, 6.822, 326.366



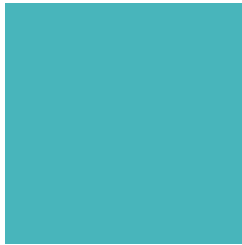
37, 77.647, 330.394



3, 20.419, 327.323

Previews

White Background



This preview shows how the CIE LCh color 68, 31.369, 203.114 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, 31.369, 203.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

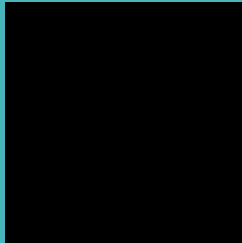
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

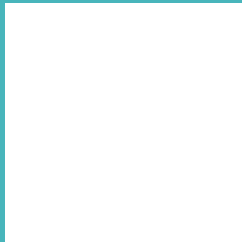
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 31.369, 203.114

Background



This preview shows how black text looks on a background with the CIELCh color 68, 31.369, 203.114.

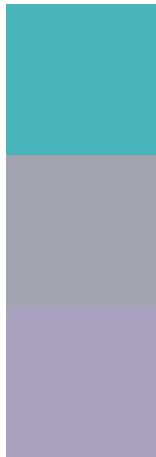


This preview shows how white text looks on a background with the CIELCh color 68, 31.369, 203.114.

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, 31.369, 203.114

Protanopia
68, 6.622, 290.864

Deuteranopia
68, 16.803, 300.365



Tritanopia
68, 30.444, 212.028

Trichromacy



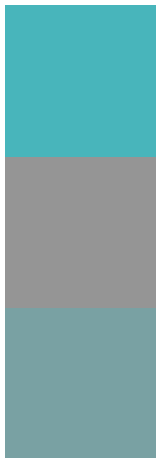
Original Color
68, 31.369, 203.114

Protanomaly
67, 14.344, 221.188

Deuteranomaly
67, 16.580, 246.178

Tritanomaly
68, 30.611, 208.670

Monochromacy



Original Color
68, 31.369, 203.114

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 14.146, 202.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 31.369, 203.114 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(72, 181, 187)` looks like.

```
.text, #text, p{  
    color:rgb(72, 181, 187)  
}
```

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(72, 181, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 181, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 31.369, 203.114 is called "border". The border property can be set on classes, ids or directly on the HTML element.

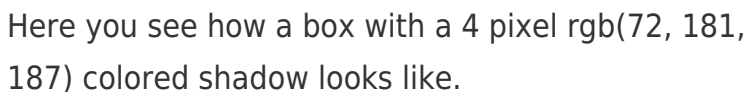
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 181, 187) }
```

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

```
.border{ border-color:rgb(72, 181, 187) }
```

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



Here you see how a box with a 4 pixel `rgb(72, 181, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 181, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 181, 187); box-shadow:4px 4px 4px 4px rgb(72, 181, 187) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 31.369, 203.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 181, 187) }
```

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

```
.background{ background-color: rgb(72, 181,  
187) }
```

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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