

Converting Colors

CIELCh(68, 33.868, 171.759)

Have a look what the booklet for
CIELCh(68, 33.868, 171.759)
contains.

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Color

CIELCh(68, 33.914, 171.647)

Conversions

Conversions Part 1

Format	Color
Hex	5BB69C
RGB	91, 182, 156
RGB Percent	36%, 71%, 61%
CMY	0.6440, 0.2871, 0.3891
CMYK	0.50, 0.00, 0.14, 0.29
HSL	163°, 38%, 53%
HSV	163°, 50%, 71%
XYZ	26.9583, 37.9720, 37.2676
YIQ	151.8270, -45.8900, -27.3780

Conversions

Conversions Part 2

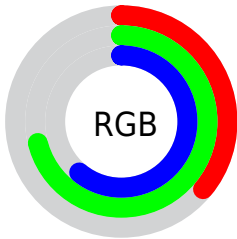
Format	Color
RYB	91, 144, 182
Decimal	6010524
CIELab	68.00, -33.55, 4.93
CIELCh	68, 33.914, 171.647
Yxy	37.9720, 0.2638, 0.3716
Android (android.graphics.Color)	4284200604 (0xFF5BB69C)
YUV	151.8270, 2.0573, -53.3453
Hunter-Lab	61.6215, -29.7469, 7.2775

Details

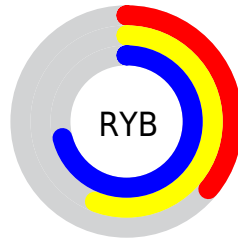
The CIELCh color **68, 33.914, 171.647** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **50, 39.691, 3.656**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 33.796, 171.478**, and **48, 33.641, 172.111** is the 20% darker color. If you saturate the color by 10%, you get **67, 39.321, 170.260**, and if you desaturate by 10%, it is **69, 27.897, 172.900**.

Distribution



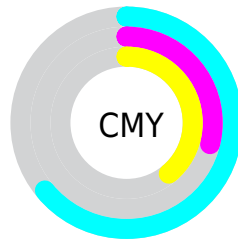
- Red (36%)
- Green (71%)
- Blue (61%)



- Red (36%)
- Yellow (56%)
- Blue (71%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)




- Cyan (64%)
- Magenta (29%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 33.914, 171.647 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, 33.914, 171.647 by changing the saturation by 10% instead.

 68, 33.914,
171.647


 68, 33.914,
171.647


 100, 33.914,
171.647


 58, 33.914,
171.647


 88, 33.914,
171.647


 48, 33.914,
171.647

 98, 33.914,
171.647

 38, 33.914,
171.647

 28, 33.914,
171.647

 18, 33.914,
171.647

 8, 33.914, 171.647

 0, 33.914, 171.647

68, 33.914,
171.647

68, 33.914,
171.647

67, 39.321,
170.260

69, 27.897,
172.900

67, 44.025,
168.716

70, 21.383,
174.044

66, 47.972,
166.994

71, 14.494,
175.103

66, 51.169,
165.078

72, 7.345, 176.107

66, 53.777,
163.046

74, 0.042, 187.767

76, 7.331, 357.755

77, 14.700,
358.601

79, 22.011,
359.388

Harmonies

Complementary

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



68, 33.914, 171.647



50, 39.691, 3.656

Rectangle

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



68, 33.914, 171.647



68, 33.914, 221.647



68, 33.914, 351.647



68, 33.914, 41.647

Sweetspot

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



68, 33.915, 171.646



91, 13.527, 175.589



68, 54.505, 133.214



49, 9.282, 175.378



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, 33.915, 171.646



86, 48.578, 170.119



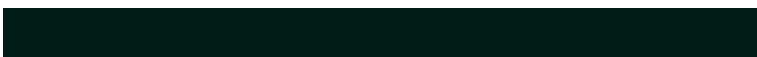
63, 24.165, 222.851



38, 4.172, 176.179



57, 47.724, 163.327



8, 12.359, 169.566

Inverse Universe

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



50, 39.691, 3.656



60, 58.632, 6.221



54, 35.131, 39.831



36, 4.290, 357.781



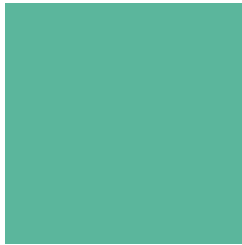
32, 60.765, 21.565



2, 11.159, 2.577

Previews

White Background



This preview shows how the CIELCh color 68, 33.914, 171.647 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, 33.914, 171.647 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, 33.914, 171.647

Background



This preview shows how black text looks on a background with the CIELCh color 68, 33.914, 171.647.

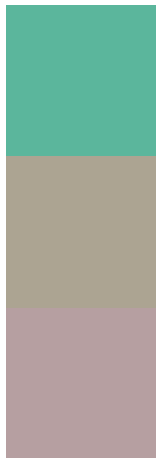


This preview shows how white text looks on a background with the CIELCh color 68, 33.914, 171.647.

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](#).

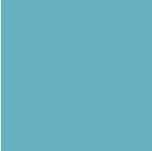
Dichromacy



Original Color
68, 33.914, 171.647

Protanopia
68, 10.376, 91.262

Deuteranopia
68, 9.009, 13.209



Tritanopia
68, 24.508, 216.172

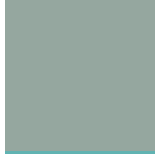
Trichromacy



Original Color
68, 33.914, 171.647



Protanomaly
67, 15.419, 152.554



Deuteranomaly
67, 8.139, 165.876

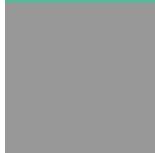


Tritanomaly
68, 26.235, 196.094

Monochromacy



Original Color
68, 33.914, 171.647



Achromatopsia
63, 0.008, 296.813



Achromatomaly
64, 13.532, 173.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 33.914, 171.647 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(91, 182, 156)` looks like.

```
.text, #text, p{  
    color:rgb(91, 182, 156)  
}
```

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(91, 182, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 182, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 33.914, 171.647 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(91, 182, 156) }
```

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

```
.border{ border-color:rgb(91, 182, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 182, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 182, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 182, 156);  
box-shadow:4px 4px 4px 4px rgb(91, 182,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 33.914, 171.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 182, 156) }
```

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

```
.background{ background-color: rgb(91, 182,  
156) }
```

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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