

Converting Colors

CIELCh(68, 10.034, 184.493)

Have a look what the booklet for
CIELCh(68, 10.034, 184.493)
contains.

CIELCh(68, 9.817, 185.601)	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, 9.817, 185.601)

Conversions

Conversions Part 1

Format	Color
Hex	91ABA7
RGB	145, 171, 167
RGB Percent	57%, 67%, 65%
CMY	0.4311, 0.3291, 0.3448
CMYK	0.15, 0.00, 0.02, 0.33
HSL	171°, 13%, 62%
HSV	171°, 15%, 67%
XYZ	33.2477, 37.9720, 42.1711
YIQ	162.7700, -14.2120, -6.7560

Conversions

Conversions Part 2

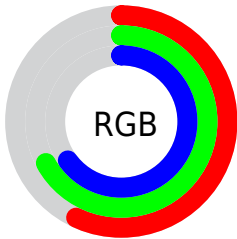
Format	Color
R_YB	145, 159, 171
Decimal	9546663
CIE _{Lab}	68.00, -9.77, -0.96
CIE _{LCh}	68, 9.817, 185.601
Yxy	37.9720, 0.2932, 0.3349
Android (android.graphics.Color)	4287736743 (0xFF91ABA7)
YUV	162.7700, 2.0854, -15.5843
Hunter-Lab	61.6215, -11.5282, 2.5594

Details

The CIELCh color **68, 9.817, 185.601** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 10.508, 8.200**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 9.707, 186.332**, and **48, 10.009, 184.642** is the 20% darker color. If you saturate the color by 10%, you get **67, 15.935, 184.697**, and if you desaturate by 10%, it is **69, 3.412, 186.531**.

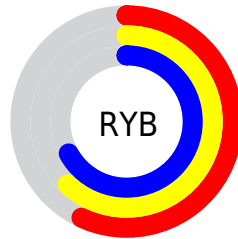
Distribution



Red (57%)

Green (67%)

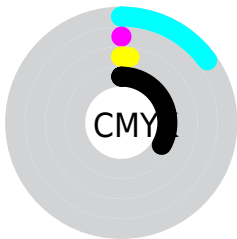
Blue (65%)



Red (57%)

Yellow (62%)

Blue (67%)

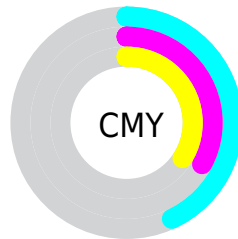


Cyan (15%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (43%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 9.817, 185.601 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, 9.817, 185.601 by changing the saturation by 10% instead.

■ 68, 9.817, 185.601

■ 68, 9.817, 185.601

■ 100, 9.817,
185.601

■ 58, 9.817, 185.601

■ 88, 9.817, 185.601

■ 48, 9.817, 185.601

■ 98, 9.817, 185.601

■ 38, 9.817, 185.601

■ 28, 9.817, 185.601

■ 18, 9.817, 185.601

■ 8, 9.817, 185.601

■ 0, 9.817, 185.601

■ 68, 9.817, 185.601

■ 68, 9.817, 185.601

■ 67, 15.935,

■ 69, 3.412, 186.531

184.697



71, 3.191, 7.069

66, 21.659,
183.770



72, 9.910, 7.966

65, 26.881,
182.797



74, 16.680, 8.762

64, 31.500,
181.760



76, 23.450, 9.527

64, 35.429,
180.642



78, 30.179, 10.269

63, 38.611,
179.421



78, 33.091, 9.206

63, 41.036,
178.078



78, 33.256, 6.833

63, 42.754,
176.597



79, 33.482, 4.490

63, 43.459,
175.876

Harmonies

Complementary

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



68, 9.817, 185.601



63, 10.508, 8.200

Rectangle

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



68, 9.817, 185.601



68, 9.817, 235.601



68, 9.817, 5.601



68, 9.817, 55.601

Sweetspot

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



68, 9.818, 185.594



88, 4.053, 186.543



68, 16.616, 139.065



47, 2.785, 186.470



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 9.818, 185.594



86, 14.277, 185.316



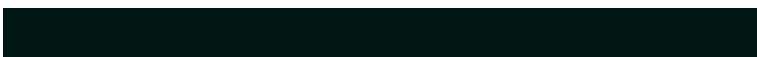
66, 7.803, 237.170



36, 3.734, 186.126



56, 39.464, 176.054



6, 8.202, 182.187

Inverse Universe

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



63, 10.508, 8.200



78, 15.508, 8.547



65, 8.431, 54.483



34, 3.891, 7.579



31, 64.062, 31.798



2, 7.949, 9.081

Previews

White Background



This preview shows how the CIELCh color 68, 9.817, 185.601 looks on a white background.

Color Contrast Check

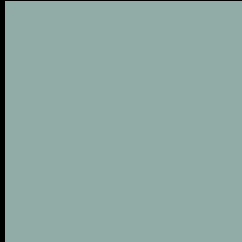
Large Text (above 18pt) WCAG AA × Fail

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, 9.817, 185.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

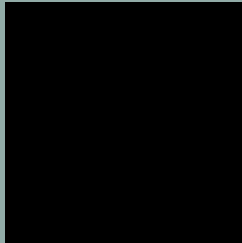
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 9.817, 185.601

Background



This preview shows how black text looks on a background with the CIELCh color 68, 9.817, 185.601.

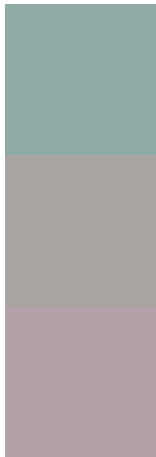


This preview shows how white text looks on a background with the CIELCh color 68, 9.817, 185.601.

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, 9.817, 185.601

Protanopia
68, 1.870, 55.191

Deuteranopia
68, 9.114, 347.362



Tritanopia
68, 10.164, 243.945

Trichromacy



Original Color
68, 9.817, 185.601

Protanomaly
68, 3.129, 167.454

Deuteranomaly
68, 2.497, 317.325

Tritanomaly
68, 8.991, 224.309

Monochromacy



Original Color
68, 9.817, 185.601

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 3.924, 182.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 9.817, 185.601 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(145, 171, 167)` looks like.

```
.text, #text, p{  
    color:rgb(145, 171, 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(145, 171, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 171, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 9.817, 185.601 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(145, 171, 167) }
```

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

```
.border{ border-color:rgb(145, 171, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 171, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 171, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 171, 167);  
box-shadow:4px 4px 4px 4px rgb(145, 171,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 9.817, 185.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 171, 167) }
```

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

```
.background{ background-color: rgb(145,  
171, 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](#).

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