

Converting Colors

CIELCh(68, 7.051, 147.367)

Have a look what the booklet for
CIELCh(68, 7.051, 147.367) contains.

CIELCh(68, 7.182, 148.992)	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, 7.182, 148.992)

Conversions

Conversions Part 1

Format	Color
Hex	9DA99F
RGB	157, 169, 159
RGB Percent	62%, 66%, 62%
CMY	0.3849, 0.3378, 0.3770
CMYK	0.07, 0.00, 0.06, 0.34
HSL	130°, 7%, 64%
HSV	130°, 7%, 66%
XYZ	34.2816, 37.9720, 38.2567
YIQ	164.2720, -3.9420, -5.6540

Conversions

Conversions Part 2

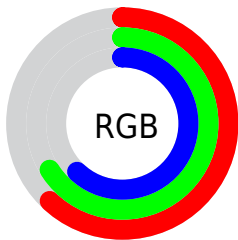
Format	Color
RYB	157, 167, 169
Decimal	10332575
CIELab	68.00, -6.16, 3.70
CIElCh	68, 7.182, 148.992
Yxy	37.9720, 0.3102, 0.3436
Android (android.graphics.Color)	4288522655 (0xFF9DA99F)
YUV	164.2720, -2.5991, -6.3775
Hunter-Lab	61.6215, -8.5334, 6.3258

Details

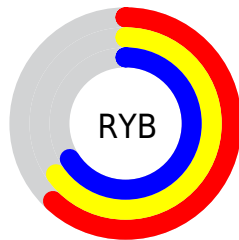
The CIELCh color $68, 7.182, 148.992$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 7.205, 329.776$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 6.805, 149.108$, and $48, 6.973, 149.358$ is the 20% darker color. If you saturate the color by 10%, you get $66, 17.386, 148.272$, and if you desaturate by 10%, it is $70, 2.911, 329.465$.

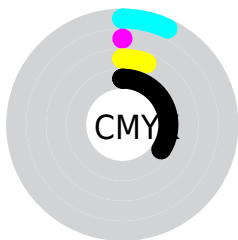
Distribution



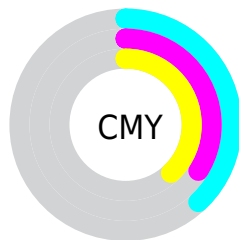
- Red (62%)
- Green (66%)
- Blue (62%)



- Red (62%)
- Yellow (65%)
- Blue (66%)



- Cyan (7%)
- Magenta (0%)
- Yellow (6%)
- Black (34%)



- Cyan (38%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 7.182, 148.992 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, 7.182, 148.992 by changing the saturation by 10% instead.

■ 68, 7.182, 148.992

■ 68, 7.182, 148.992

■ 100, 7.182,
148.992

■ 58, 7.182, 148.992

■ 88, 7.182, 148.992

■ 48, 7.182, 148.992

■ 98, 7.182, 148.992

■ 38, 7.182, 148.992

■ 28, 7.182, 148.992

■ 18, 7.182, 148.992

■ 8, 7.182, 148.992

■ 0, 7.182, 148.992

■ 68, 7.182, 148.992

■ 68, 7.182, 148.992

■ 66, 17.386,

■ 70, 2.911, 329.465

148.272

72, 12.815,
330.056

65, 27.581,
147.455

73, 22.470,
330.517

64, 37.617,
146.512

76, 31.842,
330.916

63, 47.308,
145.426

78, 40.913,
331.265

62, 56.439,
144.189

80, 49.075,
330.451

61, 64.776,
142.810

80, 53.800,
326.279

61, 72.077,
141.321

61, 78.114,
139.790

60, 82.721,
138.346

Harmonies

Complementary

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



68, 7.182, 148.992



66, 7.205, 329.776

Rectangle

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



68, 7.182, 148.992



68, 7.182, 198.992



68, 7.182, 328.992



68, 7.182, 18.992

Sweetspot

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



68, 7.184, 148.991



87, 2.485, 149.400



69, 6.608, 115.543



46, 1.410, 149.414



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



68, 7.184, 148.991



86, 11.270, 148.848



68, 5.087, 172.036



35, 5.714, 148.839



53, 75.742, 138.179



5, 10.566, 148.633

Inverse Universe

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



66, 7.205, 329.776



82, 11.301, 329.907



66, 5.177, 353.156



33, 5.729, 329.915



33, 67.754, 336.031



2, 9.999, 331.265

Previews

White Background



This preview shows how the CIELCh color 68, 7.182, 148.992 looks on a white background.

Color Contrast Check

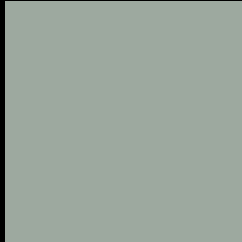
Large Text (above 18pt) WCAG AA × Fail

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, 7.182, 148.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

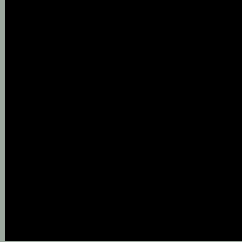
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

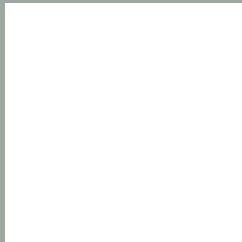
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 7.182, 148.992

Background



This preview shows how black text looks on a background with the CIELCh color 68, 7.182, 148.992.



This preview shows how white text looks on a background with the CIELCh color 68, 7.182, 148.992.

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

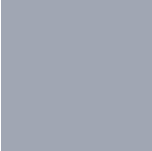
68, 7.182, 148.992

Protanopia

68, 4.954, 81.666

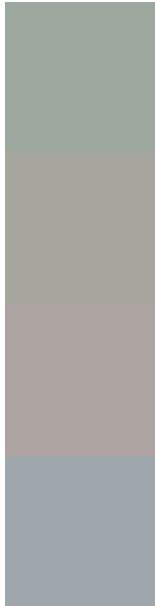
Deuteranopia

68, 8.967, 16.681



Tritanopia
68, 7.443, 273.898

Trichromacy



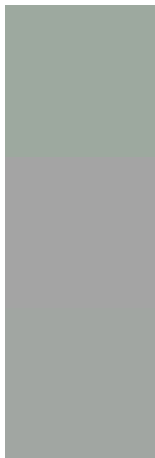
Original Color
68, 7.182, 148.992

Protanomaly
68, 4.387, 109.713

Deuteranomaly
68, 4.190, 42.736

Tritanomaly
68, 4.000, 242.905

Monochromacy



Original Color
68, 7.182, 148.992

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 2.919, 150.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 7.182, 148.992 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(157, 169, 159)` looks like.

```
.text, #text, p{  
    color:rgb(157, 169, 159)  
}
```

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(157, 169, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 169, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 7.182, 148.992 is called "border". The border property can be set on classes, ids or directly on the HTML element.

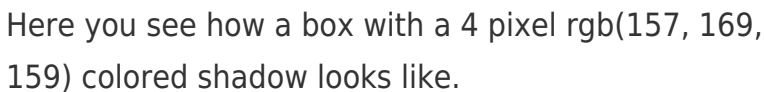
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 169, 159) }
```

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

```
.border{ border-color:rgb(157, 169, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 169, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 169, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 169, 159); box-shadow:4px 4px 4px 4px rgb(157, 169, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 7.182, 148.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 169, 159) }
```

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

```
.background{ background-color: rgb(157,  
169, 159) }
```

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