

Converting Colors

CIELCh(68, 4.093, 199.167)

Have a look what the booklet for
CIELCh(68, 4.093, 199.167) contains.

| | |
|--|----|
| CIELCh(68, 4.089, 199.170) | 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, 4.089, 199.170)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 9DA8A8 |
| RGB | 157, 168, 168 |
| RGB Percent | 62%, 66%, 66% |
| CMY | 0.3845, 0.3414, 0.3414 |
| CMYK | 0.07, 0.00, 0.00, 0.34 |
| HSL | 180°, 6%, 64% |
| HSV | 180°, 7%, 66% |
| XYZ | 34.9486, 37.9720, 42.5057 |
| YIQ | 164.7110, -6.5560, -2.3320 |

Conversions

Conversions Part 2

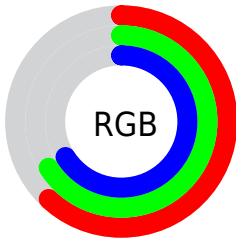
| Format | Color |
|-------------------------------------|---|
| RYB | 157, 163, 168 |
| Decimal | 10332328 |
| CIELab | 68.00, -3.86, -1.34 |
| CIElCh | 68, 4.089, 199.170 |
| Yxy | 37.9720, 0.3028, 0.3290 |
| Android (android.graphics.Color) | 4288522408 (0xFF9DA8A8) |
| YUV | 164.7110, 1.6215, -6.7625 |
| Hunter-Lab | 61.6215, -6.6014, 2.2375 |

Details

The CIELCh color $68, 4.089, 199.170$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 4.258, 19.669$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 3.892, 199.286$, and $48, 3.959, 199.051$ is the 20% darker color. If you saturate the color by 10%, you get $67, 10.066, 198.567$, and if you desaturate by 10%, it is $69, 2.201, 19.358$.

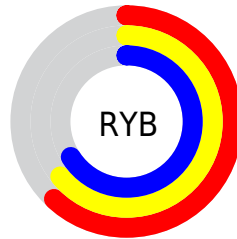
Distribution



Red (62%)

Green (66%)

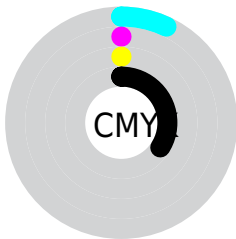
Blue (66%)



Red (62%)

Yellow (64%)

Blue (66%)

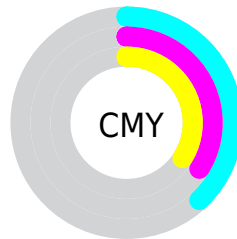


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (38%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.089, 199.170 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, 4.089, 199.170 by changing the saturation by 10% instead.

■ 68, 4.089, 199.170

■ 68, 4.089, 199.170

■ 100, 4.089,
199.170

■ 58, 4.089, 199.170

■ 88, 4.089, 199.170

■ 48, 4.089, 199.170

■ 98, 4.089, 199.170

■ 38, 4.089, 199.170

■ 28, 4.089, 199.170

■ 18, 4.089, 199.170

■ 8, 4.089, 199.170

■ 0, 4.089, 199.170

■ 68, 4.089, 199.170

■ 68, 4.089, 199.170

■ 67, 10.066,

■ 69, 2.201, 19.358

198.567

71, 8.720, 20.097

66, 15.633,
198.079

72, 15.396, 20.716

65, 20.691,
197.651

74, 22.166, 21.334

64, 25.145,
197.282

76, 28.982, 21.955

64, 28.910,
196.975

77, 34.703, 22.471

63, 31.926,
196.732

77, 34.703, 22.468

63, 34.164,
196.552

77, 34.702, 22.464

62, 35.641,
196.434

62, 36.445,
196.368

Harmonies

Complementary

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



68, 4.089, 199.170



66, 4.258, 19.669

Rectangle

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



68, 4.089, 199.170



68, 4.089, 249.170



68, 4.089, 19.170



68, 4.089, 69.170

Sweetspot

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



68, 4.090, 199.149



87, 1.566, 199.651



68, 7.363, 143.668



46, 0.889, 199.680



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, 4.090, 199.149



86, 6.182, 199.042



67, 3.593, 254.488



35, 3.516, 198.971



55, 33.393, 196.350



5, 6.572, 199.394

Inverse Universe

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



66, 4.258, 19.669



83, 6.501, 19.798



67, 3.646, 72.734



33, 3.724, 19.887



30, 69.018, 39.350



1, 6.572, 19.388

Previews

White Background



This preview shows how the CIELCh color 68, 4.089, 199.170 looks on a white background.

Color Contrast Check

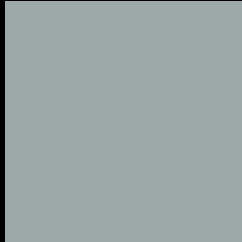
Large Text (above 18pt) WCAG AA × Fail

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, 4.089, 199.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

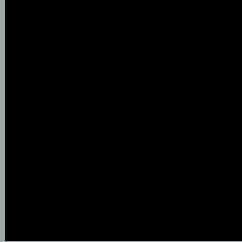
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

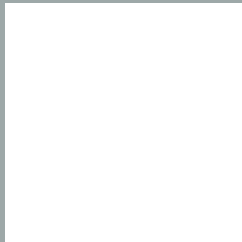
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 4.089, 199.170

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.089, 199.170.



This preview shows how white text looks on a background with the CIELCh color 68, 4.089, 199.170.

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

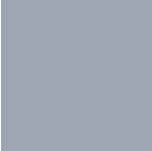
68, 4.089, 199.170

Protanopia

68, 1.273, 353.530

Deuteranopia

68, 9.114, 347.362



Tritanopia
68, 7.548, 271.271

Trichromacy



Original Color
68, 4.089, 199.170

Protanomaly
68, 0.929, 236.297

Deuteranomaly
68, 4.773, 335.960

Tritanomaly
68, 5.446, 253.443

Monochromacy



Original Color
68, 4.089, 199.170

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.503, 199.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.089, 199.170 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, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(157, 168, 168)  
}
```

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, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 168, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.089, 199.170 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, 168, 168) }
```

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

```
.border{ border-color:rgb(157, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(157, 168,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.089, 199.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 168, 168) }
```

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

```
.background{ background-color: rgb(157,  
168, 168) }
```

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