

Converting Colors

CIELCh(68, 8.328, 198.835)

Have a look what the booklet for
CIELCh(68, 8.328, 198.835) contains.

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Color

CIELCh(68, 8.381, 198.748)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 93AAAA |
| RGB | 147, 170, 170 |
| RGB Percent | 58%, 67%, 67% |
| CMY | 0.4226, 0.3324, 0.3324 |
| CMYK | 0.14, 0.00, 0.00, 0.33 |
| HSL | 180°, 12%, 62% |
| HSV | 180°, 14%, 67% |
| XYZ | 33.7696, 37.9720, 43.6952 |
| YIQ | 163.1230, -13.7080, -4.8760 |

Conversions

Conversions Part 2

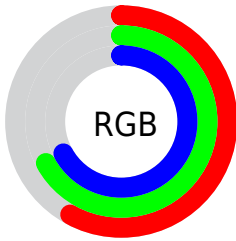
| Format | Color |
|-------------------------------------|--|
| RYB | 147, 159, 170 |
| Decimal | 9677482 |
| CIELab | 68.00, -7.94, -2.69 |
| CIElCh | 68, 8.381, 198.748 |
| Yxy | 37.9720, 0.2925, 0.3289 |
| Android (android.graphics.Color) | 4287867562 (0xFF93AAAA) |
| YUV | 163.1230, 3.3904, -14.1399 |
| Hunter-Lab | 61.6215, -10.0164, 1.0930 |

Details

The CIELCh color **68, 8.381, 198.748** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 9.126, 20.233**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 8.359, 198.897**, and **48, 8.456, 198.510** is the 20% darker color. If you saturate the color by 10%, you get **67, 14.145, 198.231**, and if you desaturate by 10%, it is **69, 2.234, 199.423**.

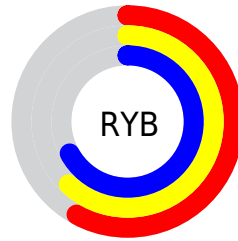
Distribution



Red (58%)

Green (67%)

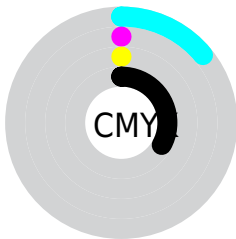
Blue (67%)



Red (58%)

Yellow (62%)

Blue (67%)

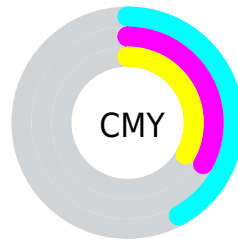


Cyan (14%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (42%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 8.381, 198.748 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, 8.381, 198.748 by changing the saturation by 10% instead.

68, 8.381, 198.748

68, 8.381, 198.748

100, 8.381,
198.748

58, 8.381, 198.748

88, 8.381, 198.748

48, 8.381, 198.748

98, 8.381, 198.748

38, 8.381, 198.748

28, 8.381, 198.748

18, 8.381, 198.748

8, 8.381, 198.748

0, 8.381, 198.748

68, 8.381, 198.748

68, 8.381, 198.748

67, 14.145,

69, 2.234, 199.423

198.231

71, 4.206, 19.644

66, 19.425,
197.786

72, 10.853, 20.297

65, 24.121,
197.399

74, 17.639, 20.915

64, 28.143,
197.073

75, 24.503, 21.534

64, 31.422,
196.812

77, 31.401, 22.156

78, 33.682, 22.360

64, 33.918,
196.614

78, 33.682, 22.358

78, 33.682, 22.357

63, 35.634,
196.479

63, 36.622,
196.401

63, 37.027,
196.369

Harmonies

Complementary

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



68, 8.381, 198.748



63, 9.126, 20.233

Rectangle

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



68, 8.381, 198.748



68, 8.381, 248.748



68, 8.381, 18.748



68, 8.381, 68.748

Sweetspot

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



68, 8.382, 198.739



88, 3.149, 199.363



67, 15.430, 143.223



47, 2.252, 199.295



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, 8.382, 198.739



86, 12.212, 198.590



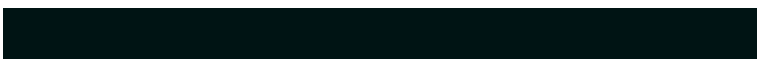
65, 7.458, 255.400



35, 3.516, 198.982



55, 33.390, 196.369



5, 6.572, 199.409

Inverse Universe

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



63, 9.126, 20.233



79, 13.546, 20.464



66, 7.737, 71.954



33, 3.724, 19.897



30, 69.023, 39.355



1, 6.572, 19.397

Previews

White Background



This preview shows how the CIELCh color 68, 8.381, 198.748 looks on a white background.

Color Contrast Check

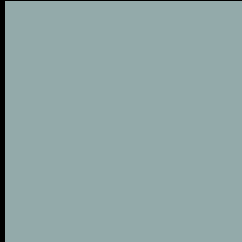
Large Text (above 18pt) WCAG AA × Fail

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, 8.381, 198.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

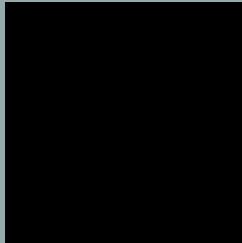
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

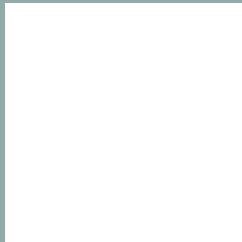
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 8.381, 198.748

Background



This preview shows how black text looks on a background with the CIELCh color 68, 8.381, 198.748.

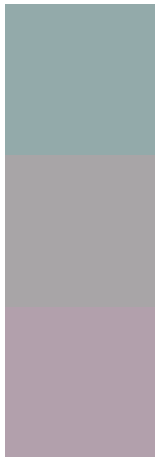


This preview shows how white text looks on a background with the CIELCh color 68, 8.381, 198.748.

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, 8.381, 198.748

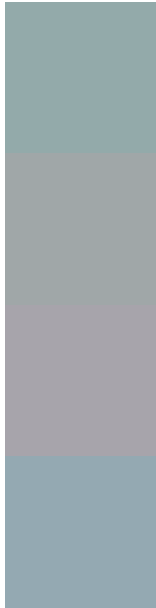
Protanopia
68, 1.596, 335.596

Deuteranopia
68, 9.523, 336.338



Tritanopia
68, 10.091, 249.126

Trichromacy



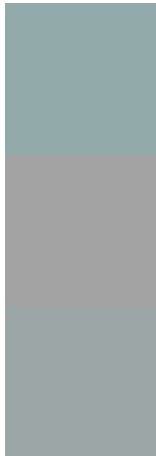
Original Color
68, 8.381, 198.748

Protanomaly
68, 2.662, 211.317

Deuteranomaly
68, 4.039, 306.704

Tritanomaly
68, 8.881, 232.981

Monochromacy



Original Color
68, 8.381, 198.748

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 3.361, 199.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 8.381, 198.748 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(147, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(147, 170, 170)  
}
```

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(147, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 170, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 8.381, 198.748 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(147, 170, 170) }
```

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

```
.border{ border-color:rgb(147, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(147, 170,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 8.381, 198.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 170, 170) }
```

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

```
.background{ background-color: rgb(147,  
170, 170) }
```

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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