

Converting Colors

CIELCh(68, 5.910, 199.445)

Have a look what the booklet for
CIELCh(68, 5.910, 199.445) contains.

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Color

CIELCh(68, 5.899, 198.980)

Conversions

Conversions Part 1

Format	Color
Hex	99A9A9
RGB	153, 169, 169
RGB Percent	60%, 66%, 66%
CMY	0.4003, 0.3376, 0.3376
CMYK	0.09, 0.00, 0.00, 0.34
HSL	180°, 9%, 63%
HSV	180°, 9%, 66%
XYZ	34.4487, 37.9720, 43.0101
YIQ	164.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

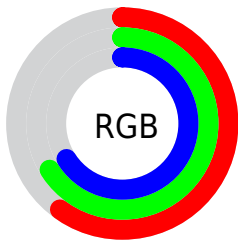
Format	Color
RYB	153, 161, 169
Decimal	10070441
CIELab	68.00, -5.58, -1.92
CIELCh	68, 5.899, 198.980
Yxy	37.9720, 0.2984, 0.3290
Android (android.graphics.Color)	4288260521 (0xFF99A9A9)
YUV	164.2160, 2.3585, -9.8364
Hunter-Lab	61.6215, -8.0493, 1.7522

Details

The CIELCh color **68, 5.899, 198.980** is a light color, and the websafe version is hex **999999**. A complement of this color would be **65, 6.257, 19.908**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 5.972, 199.089**, and **48, 5.868, 198.810** is the 20% darker color. If you saturate the color by 10%, you get **67, 11.794, 198.424**, and if you desaturate by 10%, it is **69, 0.337, 17.979**.

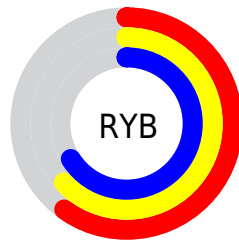
Distribution



Red (60%)

Green (66%)

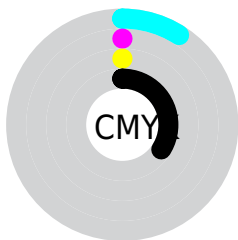
Blue (66%)



Red (60%)

Yellow (63%)

Blue (66%)

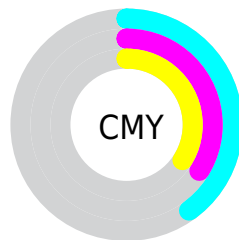


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (40%)

Magenta (34%)

Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 5.899, 198.980 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, 5.899, 198.980 by changing the saturation by 10% instead.

 68, 5.899, 198.980

 68, 5.899, 198.980

 100, 5.899,
198.980

 58, 5.899, 198.980

 88, 5.899, 198.980

 48, 5.899, 198.980

 98, 5.899, 198.980

 38, 5.899, 198.980

 28, 5.899, 198.980

 18, 5.899, 198.980

 8, 5.899, 198.980

 0, 5.899, 198.980

 68, 5.899, 198.980

 68, 5.899, 198.980

 67, 11.794,

 69, 0.337, 17.979

198.424

71, 6.829, 19.918

66, 17.247,
197.955

72, 13.498, 20.543

65, 22.161,
197.544

74, 20.278, 21.160

64, 26.440,
197.193

76, 27.117, 21.780

64, 30.006,
196.905

78, 34.267, 22.426

63, 32.807,
196.681

78, 34.267, 22.423

78, 34.267, 22.421

63, 34.825,
196.521

63, 36.094,
196.420

63, 36.784,
196.364

Harmonies

Complementary

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



68, 5.899, 198.980



65, 6.257, 19.908

Rectangle

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



68, 5.899, 198.980



68, 5.899, 248.980



68, 5.899, 18.980



68, 5.899, 68.980

Sweetspot

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



68, 5.900, 198.966



87, 2.345, 199.477



68, 10.720, 143.484



46, 1.772, 199.383



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, 5.900, 198.966



86, 8.435, 198.864



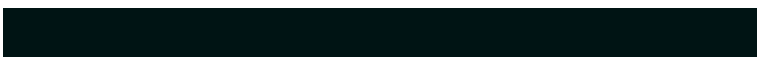
66, 5.208, 254.848



35, 3.516, 198.978



55, 33.391, 196.362



5, 6.572, 199.403

Inverse Universe

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



65, 6.257, 19.908



81, 9.045, 20.043



67, 5.335, 72.417



33, 3.724, 19.893



30, 69.021, 39.353



1, 6.572, 19.393

Previews

White Background



This preview shows how the CIELCh color 68, 5.899, 198.980 looks on a white background.

Color Contrast Check

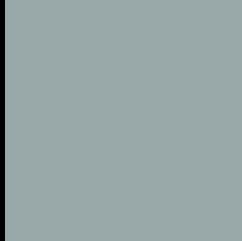
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 5.899, 198.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

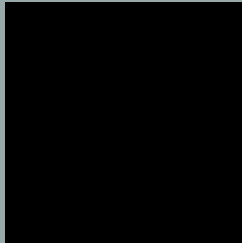
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

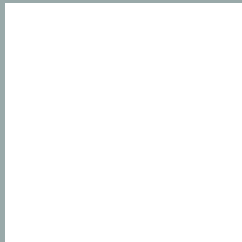
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 5.899, 198.980

Background



This preview shows how black text looks on a background with the CIELCh color 68, 5.899, 198.980.



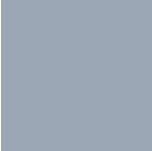
This preview shows how white text looks on a background with the CIELCh color 68, 5.899, 198.980.

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





Tritanopia
68, 8.270, 259.469

Trichromacy



Original Color
68, 5.899, 198.980

Protanomaly
68, 1.249, 225.894

Deuteranomaly
68, 4.703, 324.615

Tritanomaly
68, 6.644, 240.785

Monochromacy



Original Color
68, 5.899, 198.980

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 2.250, 199.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 5.899, 198.980 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(153, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(153, 169, 169)  
}
```

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(153, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 169, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 5.899, 198.980 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(153, 169, 169) }
```

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

```
.border{ border-color:rgb(153, 169, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 169, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 169, 169);  
box-shadow:4px 4px 4px 4px rgb(153, 169,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 5.899, 198.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 169, 169) }
```

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

```
.background{ background-color: rgb(153,  
169, 169) }
```

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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