

Converting Colors

CIELCh(68, 4.783, 229.428)

Have a look what the booklet for
CIELCh(68, 4.783, 229.428) contains.

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Color

CIELCh(68, 4.889, 225.990)

Conversions

Conversions Part 1

Format	Color
Hex	9CA8AC
RGB	156, 168, 172
RGB Percent	61%, 66%, 67%
CMY	0.3888, 0.3418, 0.3261
CMYK	0.09, 0.02, 0.00, 0.33
HSL	195°, 9%, 64%
HSV	195°, 9%, 67%
XYZ	35.0850, 37.9720, 44.4302
YIQ	164.8680, -8.4360, -1.3000

Conversions

Conversions Part 2

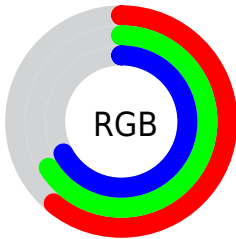
Format	Color
RYB	156, 163, 172
Decimal	10266796
CIELab	68.00, -3.40, -3.52
CIELCh	68, 4.889, 225.990
Yxy	37.9720, 0.2986, 0.3232
Android (android.graphics.Color)	4288456876 (0xFF9CA8AC)
YUV	164.8680, 3.5161, -7.7772
Hunter-Lab	61.6215, -6.2062, 0.3858

Details

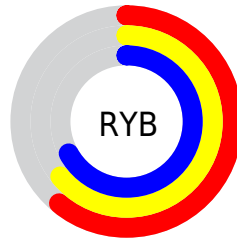
The CIELCh color **68, 4.889, 225.990** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 5.159, 44.918**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 4.665, 225.897**, and **48, 4.842, 228.265** is the 20% darker color. If you saturate the color by 10%, you get **66, 9.888, 226.603**, and if you desaturate by 10%, it is **70, 0.368, 44.081**.

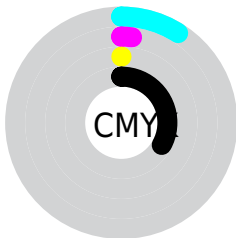
Distribution



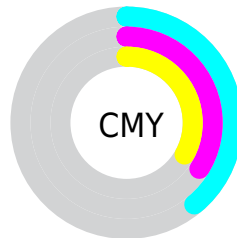
- Red (61%)
- Green (66%)
- Blue (67%)



- Red (61%)
- Yellow (64%)
- Blue (67%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)



- Cyan (39%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.889, 225.990 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, 4.889, 225.990 by changing the saturation by 10% instead.

■ 68, 4.889, 225.990

■ 68, 4.889, 225.990

■ 100, 4.889,
225.990

■ 58, 4.889, 225.990

■ 88, 4.889, 225.990

■ 48, 4.889, 225.990

■ 98, 4.889, 225.990

■ 38, 4.889, 225.990

■ 28, 4.889, 225.990

■ 18, 4.889, 225.990

■ 8, 4.889, 225.990

■ 0, 4.889, 225.990

■ 68, 4.889, 225.990

■ 68, 4.889, 225.990

■ 66, 9.888, 226.603

■ 70, 0.368, 44.081

63, 14.563,
227.489

73, 5.824, 44.906

61, 18.845,
228.658

76, 11.429, 44.674

59, 22.661,
230.175

78, 17.143, 44.498

57, 25.954,
232.121

83, 27.284, 45.559

55, 28.685,
234.583

84, 26.836, 51.084

53, 30.857,
237.648

85, 26.653, 56.741

52, 32.527,
241.376

86, 26.738, 62.414

50, 33.883,
245.646

Harmonies

Complementary

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



68, 4.889, 225.990



67, 5.159, 44.918

Rectangle

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



68, 4.889, 225.990



68, 4.889, 275.990



68, 4.889, 45.990



68, 4.889, 95.990

Sweetspot

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



68, 4.889, 225.970



88, 1.986, 225.826



69, 9.110, 151.142



47, 1.501, 225.806



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, 4.889, 225.970



86, 7.146, 226.068



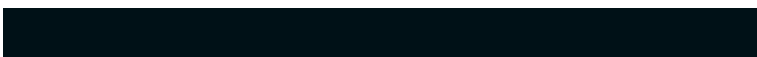
66, 6.662, 277.270



35, 2.995, 225.970



44, 30.726, 245.389



4, 6.390, 235.622

Inverse Universe

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



66, 9.036, 332.897



83, 13.283, 333.026



69, 6.621, 94.978



34, 5.536, 332.897



33, 64.578, 341.083



2, 10.945, 335.632

Previews

White Background



This preview shows how the CIELCh color 68, 4.889, 225.990 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, 4.889, 225.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

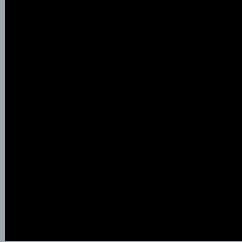
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

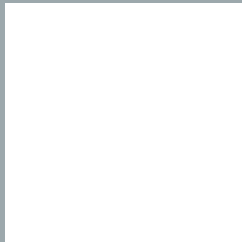
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 4.889, 225.990

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.889, 225.990.



This preview shows how white text looks on a background with the CIELCh color 68, 4.889, 225.990.

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, 4.889, 225.990

Protanopia

68, 2.870, 305.616

Deuteranopia

68, 9.245, 334.656



Tritanopia
68, 7.941, 263.905

Trichromacy



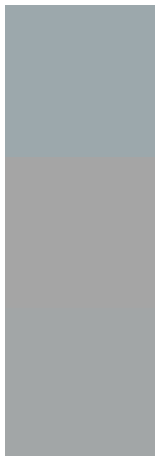
Original Color
68, 4.889, 225.990

Protanomaly
68, 2.958, 268.318

Deuteranomaly
68, 6.138, 315.943

Tritanomaly
68, 6.531, 256.942

Monochromacy



Original Color
68, 4.889, 225.990

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.592, 219.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.889, 225.990 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(156, 168, 172)` looks like.

```
.text, #text, p{  
    color:rgb(156, 168, 172)  
}
```

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(156, 168, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 168, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.889, 225.990 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(156, 168, 172) }
```

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

```
.border{ border-color:rgb(156, 168, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 168, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 168, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 168, 172);  
box-shadow:4px 4px 4px 4px rgb(156, 168,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.889, 225.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 168, 172) }
```

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

```
.background{ background-color: rgb(156,  
168, 172) }
```

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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