

Converting Colors

CIELCh(68, 3.964, 221.023)

Have a look what the booklet for
CIELCh(68, 3.964, 221.023) contains.

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Color

CIELCh(68, 3.845, 215.888)

Conversions

Conversions Part 1

Format	Color
Hex	9EA8AA
RGB	158, 168, 170
RGB Percent	62%, 66%, 67%
CMY	0.3820, 0.3427, 0.3349
CMYK	0.07, 0.01, 0.00, 0.33
HSL	190°, 7%, 64%
HSV	190°, 7%, 67%
XYZ	35.1677, 37.9720, 43.3056
YIQ	165.2380, -6.6020, -1.4980

Conversions

Conversions Part 2

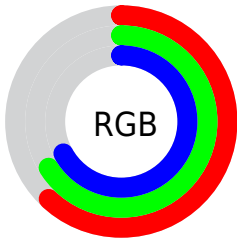
Format	Color
RYB	158, 163, 170
Decimal	10397866
CIELab	68.00, -3.12, -2.25
CIELCh	68, 3.845, 215.888
Yxy	37.9720, 0.3020, 0.3261
Android (android.graphics.Color)	4288587946 (0xFF9EA8AA)
YUV	165.2380, 2.3477, -6.3477
Hunter-Lab	61.6215, -5.9665, 1.4678

Details

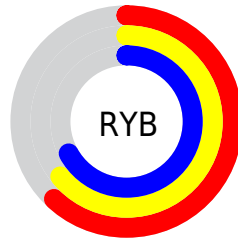
The CIELCh color **68, 3.845, 215.888** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 4.016, 35.511**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 3.664, 215.903**, and **48, 3.713, 217.662** is the 20% darker color. If you saturate the color by 10%, you get **66, 9.036, 216.002**, and if you desaturate by 10%, it is **70, 1.625, 35.340**.

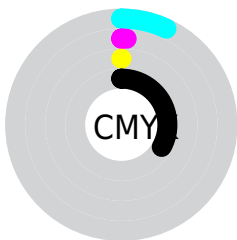
Distribution



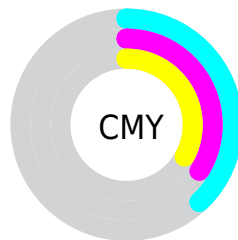
- Red (62%)
- Green (66%)
- Blue (67%)



- Red (62%)
- Yellow (64%)
- Blue (67%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (38%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 3.845, 215.888 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, 3.845, 215.888 by changing the saturation by 10% instead.

■ 68, 3.845, 215.888

■ 68, 3.845, 215.888

■ 100, 3.845,
215.888

■ 58, 3.845, 215.888

■ 88, 3.845, 215.888

■ 48, 3.845, 215.888

■ 98, 3.845, 215.888

■ 38, 3.845, 215.888

■ 28, 3.845, 215.888

■ 18, 3.845, 215.888

■ 8, 3.845, 215.888

■ 0, 3.845, 215.888

■ 68, 3.845, 215.888

■ 68, 3.845, 215.888

■ 66, 9.036, 216.002

■ 70, 1.625, 35.340

64, 13.871,
216.342

72, 7.310, 35.564

62, 18.267,
216.878

74, 13.152, 35.654

61, 22.142,
217.651

77, 19.106, 35.777

59, 25.416,
218.715

81, 29.474, 36.865

58, 28.030,
220.132

82, 28.880, 40.069

57, 29.956,
221.971

82, 28.382, 43.401

55, 31.211,
224.301

83, 27.986, 46.842

54, 31.902,
227.142

Harmonies

Complementary

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



68, 3.845, 215.888



66, 4.016, 35.511

Rectangle

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



68, 3.845, 215.888



68, 3.845, 265.888



68, 3.845, 35.888



68, 3.845, 85.888

Sweetspot

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



68, 3.845, 215.863



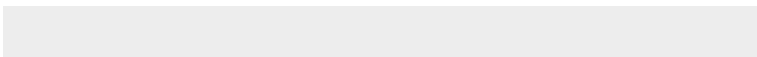
87, 1.357, 216.109



68, 7.260, 148.449



46, 0.771, 216.134



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, 3.845, 215.863



85, 5.347, 215.863



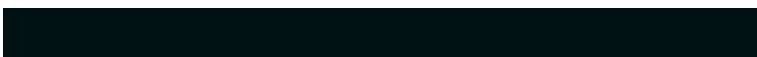
66, 4.562, 270.716



35, 3.041, 215.869



47, 29.006, 227.603



4, 5.513, 221.906

Inverse Universe

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



66, 7.196, 329.766



83, 10.040, 329.835



68, 4.562, 88.856



33, 5.730, 329.908



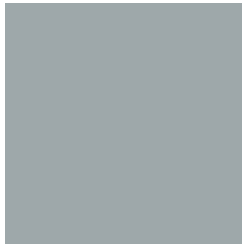
33, 67.765, 336.019



2, 10.001, 331.256

Previews

White Background



This preview shows how the CIELCh color 68, 3.845, 215.888 looks on a white background.

Color Contrast Check

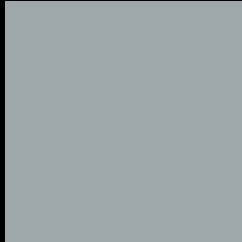
Large Text (above 18pt) WCAG AA × Fail

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, 3.845, 215.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

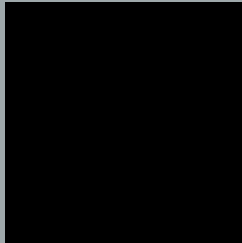
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

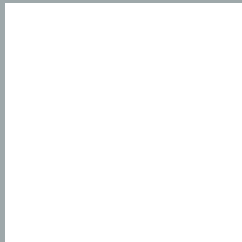
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 3.845, 215.888

Background



This preview shows how black text looks on a background with the CIELCh color 68, 3.845, 215.888.



This preview shows how white text looks on a background with the CIELCh color 68, 3.845, 215.888.

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

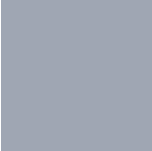
68, 3.845, 215.888

Protanopia

68, 2.020, 324.426

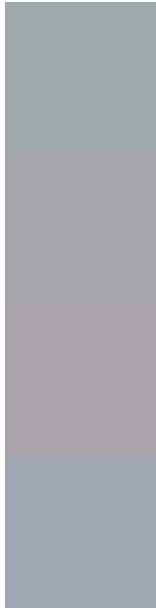
Deuteranopia

68, 8.798, 341.523



Tritanopia
68, 7.548, 271.271

Trichromacy



Original Color
68, 3.845, 215.888

Protanomaly
68, 1.808, 265.928

Deuteranomaly
68, 4.927, 328.260

Tritanomaly
68, 5.888, 256.795

Monochromacy



Original Color
68, 3.845, 215.888

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, 3.845, 215.888 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(158, 168, 170)` looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 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(158, 168, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 3.845, 215.888 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(158, 168, 170) }
```

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

```
.border{ border-color:rgb(158, 168, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 168, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 168, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 168, 170);  
box-shadow:4px 4px 4px 4px rgb(158, 168,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 3.845, 215.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 168, 170) }
```

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

```
.background{ background-color: rgb(158,  
168, 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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