

Converting Colors

CIELCh(68, 4.188, 243.636)

Have a look what the booklet for
CIELCh(68, 4.188, 243.636) contains.

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Color

CIELCh(68, 4.000, 242.905)

Conversions

Conversions Part 1

Format	Color
Hex	9FA7AC
RGB	159, 167, 172
RGB Percent	62%, 65%, 67%
CMY	0.3766, 0.3452, 0.3256
CMYK	0.08, 0.03, 0.00, 0.33
HSL	203°, 7%, 65%
HSV	203°, 8%, 67%
XYZ	35.5492, 37.9720, 44.4705
YIQ	165.1780, -6.3730, -0.1410

Conversions

Conversions Part 2

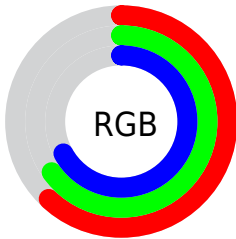
Format	Color
RYB	159, 164, 172
Decimal	10463148
CIELab	68.00, -1.82, -3.56
CIELCh	68, 4.000, 242.905
Yxy	37.9720, 0.3013, 0.3218
Android (android.graphics.Color)	4288653228 (0xFF9FA7AC)
YUV	165.1780, 3.3632, -5.4181
Hunter-Lab	61.6215, -4.8615, 0.3471

Details

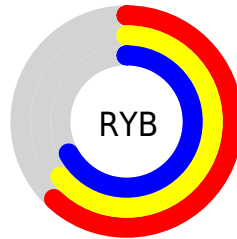
The CIELCh color $68, 4.000, 242.905$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 4.121, 61.182$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 3.808, 242.746$, and $48, 3.985, 247.076$ is the 20% darker color. If you saturate the color by 10%, you get $65, 9.149, 244.048$, and if you desaturate by 10%, it is $71, 1.301, 61.457$.

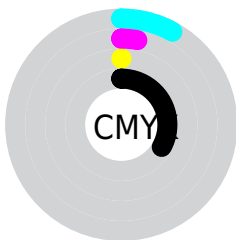
Distribution



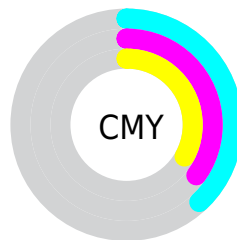
- Red (62%)
- Green (65%)
- Blue (67%)



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



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (33%)



- Cyan (38%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.000, 242.905 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, 4.000, 242.905 by changing the saturation by 10% instead.

■ 68, 4.000, 242.905

■ 68, 4.000, 242.905

■ 100, 4.000,
242.905

■ 58, 4.000, 242.905

■ 88, 4.000, 242.905

■ 48, 4.000, 242.905

■ 98, 4.000, 242.905

■ 38, 4.000, 242.905

■ 28, 4.000, 242.905

■ 18, 4.000, 242.905

■ 8, 4.000, 242.905

■ 0, 4.000, 242.905

■ 68, 4.000, 242.905

■ 68, 4.000, 242.905

■ 65, 9.149, 244.048

■ 71, 1.301, 61.457

62, 14.105,
245.526

74, 6.715, 60.873

59, 18.824,
247.345

77, 12.211, 60.204

56, 23.268,
249.571

81, 17.760, 59.629

53, 27.410,
252.281

86, 26.697, 62.523

51, 31.244,
255.544

88, 27.354, 71.032

48, 34.807,
259.404

90, 28.590, 78.939

46, 38.177,
263.846

91, 30.329, 86.024

44, 41.497,
268.703

Harmonies

Complementary

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



68, 4.000, 242.905



68, 4.121, 61.182

Rectangle

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



68, 4.000, 242.905



68, 4.000, 292.905



68, 4.000, 62.905



68, 4.000, 112.905

Sweetspot

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



68, 4.000, 242.880



89, 1.328, 242.571



69, 6.620, 157.356



47, 0.754, 242.581



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, 4.000, 242.880



86, 5.899, 243.043



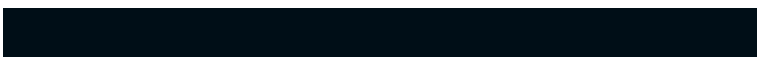
66, 6.378, 285.820



35, 3.008, 243.059



38, 38.064, 269.242



3, 6.749, 253.248

Inverse Universe

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



67, 6.660, 338.414



84, 9.860, 338.543



70, 6.289, 104.184



34, 5.029, 338.555



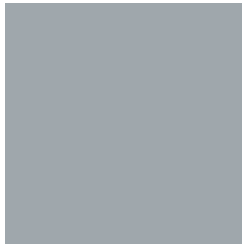
33, 59.555, 351.056



2, 9.844, 342.594

Previews

White Background



This preview shows how the CIELCh color 68, 4.000, 242.905 looks on a white background.

Color Contrast Check

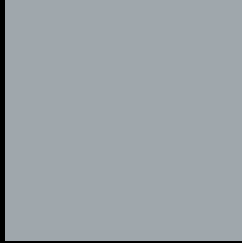
Large Text (above 18pt) WCAG AA × Fail

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, 4.000, 242.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

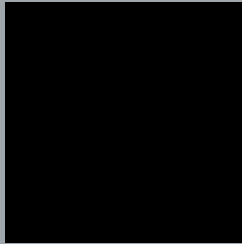
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

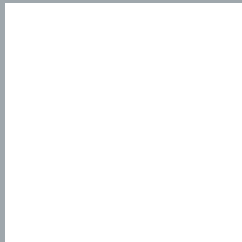
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 4.000, 242.905

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.000, 242.905.



This preview shows how white text looks on a background with the CIELCh color 68, 4.000, 242.905.

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

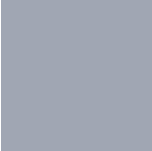
68, 4.000, 242.905

Protanopia

68, 3.404, 303.219

Deuteranopia

68, 9.245, 334.656



Tritanopia
68, 7.443, 273.898

Trichromacy



Original Color
68, 4.000, 242.905

Protanomaly
68, 2.845, 275.302

Deuteranomaly
68, 6.309, 319.032

Tritanomaly
68, 5.892, 268.876

Monochromacy



Original Color
68, 4.000, 242.905

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.566, 244.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.000, 242.905 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(159, 167, 172)` looks like.

```
.text, #text, p{  
    color:rgb(159, 167, 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(159, 167, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 167, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.000, 242.905 is called "border". The border property can be set on classes, ids or directly on the HTML element.

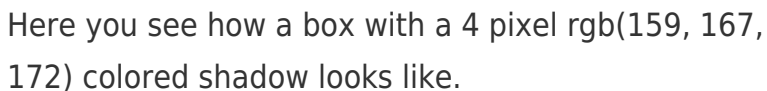
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 167, 172) }
```

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

```
.border{ border-color:rgb(159, 167, 172) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 167, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 167, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 167, 172); box-shadow:4px 4px 4px 4px rgb(159, 167, 172) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.000, 242.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 167, 172) }
```

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

```
.background{ background-color: rgb(159,  
167, 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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