

Converting Colors

CIELCh(68, 9.952, 261.203)

Have a look what the booklet for
CIELCh(68, 9.952, 261.203) contains.

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Color

CIELCh(68, 10.008, 261.251)

Conversions

Conversions Part 1

Format	Color
Hex	99A7B7
RGB	153, 167, 183
RGB Percent	60%, 65%, 72%
CMY	0.3989, 0.3440, 0.2812
CMYK	0.16, 0.09, 0.00, 0.28
HSL	212°, 17%, 66%
HSV	212°, 16%, 72%
XYZ	35.6380, 37.9720, 50.4083
YIQ	164.6380, -13.4800, 2.0080

Conversions

Conversions Part 2

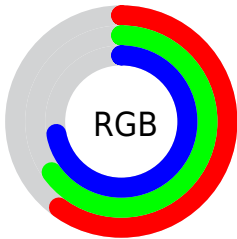
Format	Color
RYB	153, 163, 183
Decimal	10069943
CIELab	68.00, -1.52, -9.89
CIElCh	68, 10.008, 261.251
Yxy	37.9720, 0.2874, 0.3062
Android (android.graphics.Color)	4288260023 (0xFF99A7B7)
YUV	164.6380, 9.0525, -10.2065
Hunter-Lab	61.6215, -4.6044, -5.3661

Details

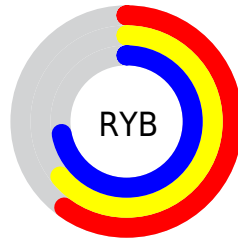
The CIELCh color **68, 10.008, 261.251** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 10.342, 76.868**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 9.985, 262.301**, and **48, 9.957, 262.238** is the 20% darker color. If you saturate the color by 10%, you get **64, 16.074, 262.954**, and if you desaturate by 10%, it is **72, 3.905, 259.832**.

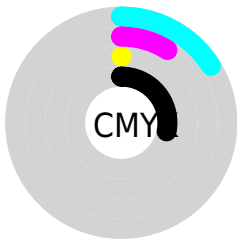
Distribution



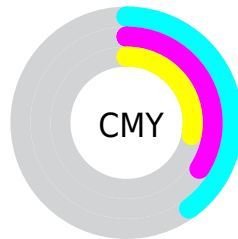
- Red (60%)
- Green (65%)
- Blue (72%)



- Red (60%)
- Yellow (64%)
- Blue (72%)



- Cyan (16%)
- Magenta (9%)
- Yellow (0%)
- Black (28%)





- Cyan (40%)
- Magenta (34%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 10.008, 261.251 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, 10.008, 261.251 by changing the saturation by 10% instead.


 68, 10.008,
261.251


 68, 10.008,
261.251


 100, 10.008,
261.251


 58, 10.008,
261.251


 88, 10.008,
261.251

 48, 10.008,
261.251

 98, 10.008,
261.251

 38, 10.008,
261.251

 28, 10.008,
261.251

 18, 10.008,
261.251

 8, 10.008, 261.251

 0, 10.008, 261.251

68, 10.008,
261.251

68, 10.008,
261.251

64, 16.074,
262.954

72, 3.905, 259.832

76, 2.214, 78.360

60, 22.091,
264.986

80, 8.333, 77.397

56, 28.049,
267.390

84, 14.435, 76.491

53, 33.952,
270.216

88, 20.508, 75.694

91, 24.825, 81.218

49, 39.825,
273.498

94, 27.864, 92.425

45, 45.722,
277.230

96, 31.738,
101.052

42, 51.711,
281.340

99, 36.027,
107.432

39, 57.861,

285.658

■ 38, 60.156,
287.141

Harmonies

Complementary

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



68, 10.008, 261.251



70, 10.342, 76.868

Rectangle

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



68, 10.008, 261.251



68, 10.008, 311.251



68, 10.008, 81.251



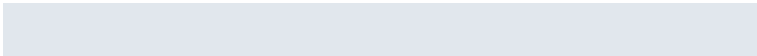
68, 10.008, 131.251

Sweetspot

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



68, 10.007, 261.243



91, 3.780, 259.681



72, 13.703, 163.167



49, 2.599, 259.761



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68, 10.007, 261.243



84, 15.057, 261.885



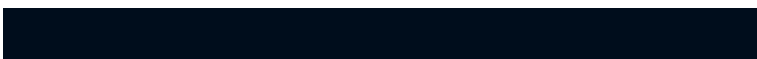
64, 16.747, 292.553



37, 3.474, 260.215



32, 52.599, 286.547



3, 10.533, 269.903

Inverse Universe

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



66, 13.862, 346.904



82, 20.966, 347.301



74, 16.137, 109.312



36, 4.763, 346.230



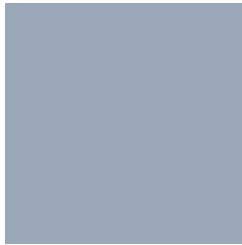
33, 58.406, 4.518



3, 11.991, 352.690

Previews

White Background



This preview shows how the CIELCh color 68, 10.008, 261.251 looks on a white background.

Color Contrast Check

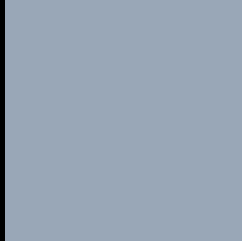
Large Text (above 18pt) WCAG AA × Fail

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, 10.008, 261.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

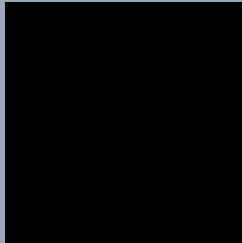
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

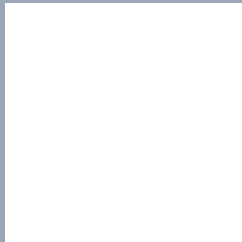
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 10.008, 261.251

Background



This preview shows how black text looks on a background with the CIELCh color 68, 10.008, 261.251.

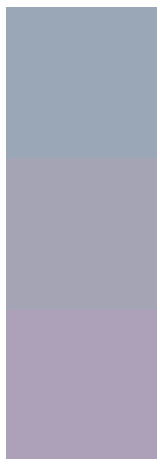


This preview shows how white text looks on a background with the CIELCh color 68, 10.008, 261.251.

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](#).

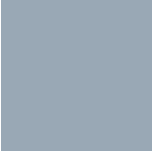
Dichromacy



Original Color
68, 10.008, 261.251

Protanopia
68, 9.378, 291.139

Deuteranopia
68, 14.008, 309.645



Tritanopia
68, 8.831, 253.517

Trichromacy



Original Color
68, 10.008, 261.251

Protanomaly
68, 9.507, 280.220

Deuteranomaly
68, 11.660, 296.691

Tritanomaly
68, 9.265, 255.701

Monochromacy



Original Color
68, 10.008, 261.251

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 3.762, 261.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 10.008, 261.251 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, 167, 183)` looks like.

```
.text, #text, p{  
    color:rgb(153, 167, 183)  
}
```

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, 167, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 167, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 10.008, 261.251 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, 167, 183) }
```

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

```
.border{ border-color:rgb(153, 167, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 167, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 167, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 167, 183);  
box-shadow:4px 4px 4px 4px rgb(153, 167,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 10.008, 261.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 167, 183) }
```

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

```
.background{ background-color: rgb(153,  
167, 183) }
```

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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