

Converting Colors

CIELCh(68, 7.121, 228.628)

Have a look what the booklet for
CIELCh(68, 7.121, 228.628) contains.

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Color

CIELCh(68, 7.233, 226.239)

Conversions

Conversions Part 1

Format	Color
Hex	97A9AF
RGB	151, 169, 175
RGB Percent	59%, 66%, 69%
CMY	0.4084, 0.3378, 0.3143
CMYK	0.14, 0.03, 0.00, 0.31
HSL	195°, 13%, 64%
HSV	195°, 14%, 69%
XYZ	34.6158, 37.9720, 45.9823
YIQ	164.3020, -12.6540, -1.9500

Conversions

Conversions Part 2

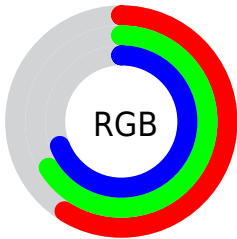
Format	Color
RYB	151, 161, 175
Decimal	9939375
CIELab	68.00, -5.00, -5.22
CIELCh	68, 7.233, 226.239
Yxy	37.9720, 0.2919, 0.3202
Android (android.graphics.Color)	4288129455 (0xFF97A9AF)
YUV	164.3020, 5.2741, -11.6659
Hunter-Lab	61.6215, -7.5652, -1.1076

Details

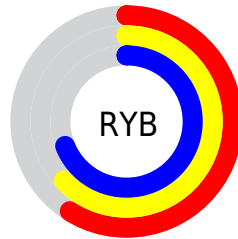
The CIELCh color $68, 7.233, 226.239$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 7.850, 44.791$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 7.228, 224.823$, and $48, 7.290, 227.956$ is the 20% darker color. If you saturate the color by 10%, you get $66, 12.166, 226.973$, and if you desaturate by 10%, it is $70, 2.010, 225.815$.

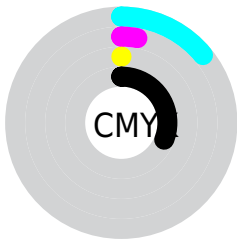
Distribution



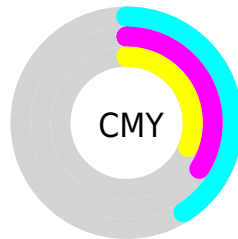
- Red (59%)
- Green (66%)
- Blue (69%)



- Red (59%)
- Yellow (63%)
- Blue (69%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



- Cyan (41%)
- Magenta (34%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 7.233, 226.239 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, 7.233, 226.239 by changing the saturation by 10% instead.

■ 68, 7.233, 226.239

■ 68, 7.233, 226.239

■ 100, 7.233,
226.239

■ 58, 7.233, 226.239

■ 88, 7.233, 226.239

■ 48, 7.233, 226.239

■ 98, 7.233, 226.239

■ 38, 7.233, 226.239

■ 28, 7.233, 226.239

■ 18, 7.233, 226.239

■ 8, 7.233, 226.239

■ 0, 7.233, 226.239

■ 68, 7.233, 226.239

■ 68, 7.233, 226.239

■ 66, 12.166,

■ 70, 2.010, 225.815

226.973

73, 3.441, 45.007

63, 16.739,
227.980

76, 9.065, 44.778

61, 20.879,
229.298

78, 14.817, 44.574

81, 20.659, 44.431

59, 24.518,
231.000

84, 26.276, 44.588

57, 27.605,
233.170

85, 25.789, 50.428

86, 25.586, 56.426

55, 30.116,
235.898

87, 25.674, 62.446

54, 32.079,
239.262

52, 33.581,
243.302

51, 34.433,
246.018

Harmonies

Complementary

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



68, 7.233, 226.239



66, 7.850, 44.791

Rectangle

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



68, 7.233, 226.239



68, 7.233, 276.239



68, 7.233, 46.239



68, 7.233, 96.239

Sweetspot

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



68, 7.233, 226.226



89, 2.666, 225.812



69, 13.653, 150.812



47, 1.907, 225.817



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 7.233, 226.226



85, 10.356, 226.394



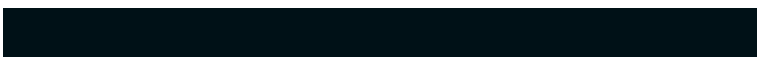
65, 10.008, 277.867



35, 2.995, 225.978



44, 30.728, 245.402



4, 6.390, 235.631

Inverse Universe

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



65, 13.551, 333.202



81, 19.556, 333.377



69, 9.934, 94.454



34, 5.536, 332.899



33, 64.575, 341.087



2, 10.945, 335.635

Previews

White Background



This preview shows how the CIELCh color 68, 7.233, 226.239 looks on a white background.

Color Contrast Check

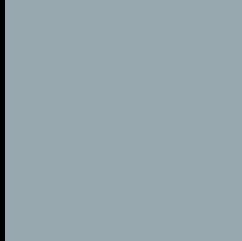
Large Text (above 18pt) WCAG AA × Fail

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, 7.233, 226.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

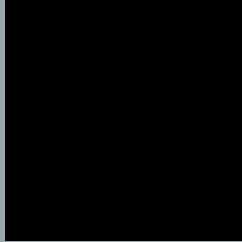
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

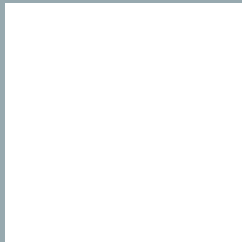
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 7.233, 226.239

Background



This preview shows how black text looks on a background with the CIELCh color 68, 7.233, 226.239.

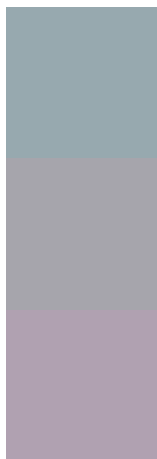


This preview shows how white text looks on a background with the CIELCh color 68, 7.233, 226.239.

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

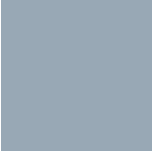
68, 7.233, 226.239

Protanopia

68, 3.885, 296.088

Deuteranopia

68, 10.495, 323.188



Tritanopia
68, 9.038, 251.719

Trichromacy



Original Color
68, 7.233, 226.239

Protanomaly
68, 4.412, 260.502

Deuteranomaly
68, 6.729, 300.334

Tritanomaly
68, 8.238, 246.619

Monochromacy



Original Color
68, 7.233, 226.239

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 2.816, 222.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 7.233, 226.239 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(151, 169, 175)` looks like.

```
.text, #text, p{  
    color:rgb(151, 169, 175)  
}
```

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(151, 169, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 169, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 7.233, 226.239 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(151, 169, 175) }
```

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

```
.border{ border-color:rgb(151, 169, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 169, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 169, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 169, 175);  
box-shadow:4px 4px 4px 4px rgb(151, 169,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 7.233, 226.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 169, 175) }
```

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

```
.background{ background-color: rgb(151,  
169, 175) }
```

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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