

Converting Colors

CIELCh(70, 5.627, 157.082)

Have a look what the booklet for
CIELCh(70, 5.627, 157.082) contains.

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Color

CIELCh(70, 5.668, 156.581)

Conversions

Conversions Part 1

Format	Color
Hex	A3AEA7
RGB	163, 174, 167
RGB Percent	64%, 68%, 65%
CMY	0.3615, 0.3184, 0.3458
CMYK	0.06, 0.00, 0.04, 0.32
HSL	142°, 6%, 66%
HSV	142°, 6%, 68%
XYZ	37.1236, 40.7494, 42.3774
YIQ	169.9130, -4.3090, -4.5090

Conversions

Conversions Part 2

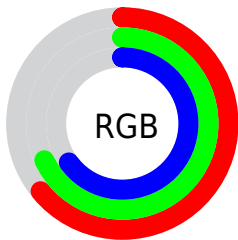
Format	Color
RYB	163, 171, 174
Decimal	10727079
CIELab	70.00, -5.20, 2.25
CIELCh	70, 5.668, 156.581
Yxy	40.7494, 0.3087, 0.3389
Android (android.graphics.Color)	4288917159 (0xFFA3AEA7)
YUV	169.9130, -1.4361, -6.0627
Hunter-Lab	63.8353, -7.9046, 5.3246

Details

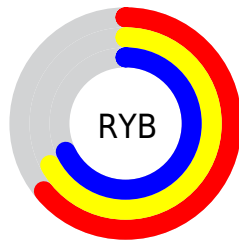
The CIELCh color **70, 5.668, 156.581** is a light color, and the websafe version is hex **999999**. A complement of this color would be **68, 5.703, 337.368**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 5.379, 156.703**, and **50, 6.055, 156.382** is the 20% darker color. If you saturate the color by 10%, you get **68, 14.683, 155.749**, and if you desaturate by 10%, it is **72, 3.279, 337.125**.

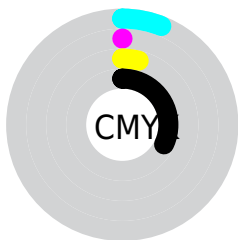
Distribution



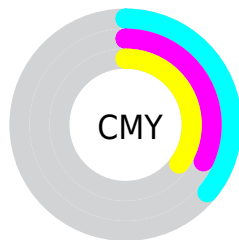
- Red (64%)
- Green (68%)
- Blue (65%)



- Red (64%)
- Yellow (67%)
- Blue (68%)



- Cyan (6%)
- Magenta (0%)
- Yellow (4%)
- Black (32%)



- Cyan (36%)
- Magenta (32%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 5.668, 156.581 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 70, 5.668, 156.581 by changing the saturation by 10% instead.

70, 5.668, 156.581

70, 5.668, 156.581

100, 5.668,
156.581

60, 5.668, 156.581

90, 5.668, 156.581

50, 5.668, 156.581

40, 5.668, 156.581

30, 5.668, 156.581

20, 5.668, 156.581

10, 5.668, 156.581

0, 5.668, 156.581

70, 5.668, 156.581

70, 5.668, 156.581

68, 14.683,

72, 3.279, 337.125

155.749

73, 12.088,
337.825

67, 23.661,
154.841

75, 20.704,
338.401

66, 32.479,
153.810

77, 29.092,
338.918

65, 40.994,
152.633

79, 37.231,
339.388

64, 49.046,
151.287

80, 42.275,
335.303

63, 56.480,
149.754

81, 46.421,
330.208

63, 63.159,
148.027

81, 50.772,
326.177

62, 68.991,
146.117

62, 73.954,
144.078

Harmonies

Complementary

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



70, 5.668, 156.581



68, 5.703, 337.368

Rectangle

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



70, 5.668, 156.581



70, 5.668, 206.581



70, 5.668, 336.581



70, 5.668, 26.581

Sweetspot

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



70, 5.670, 156.577



90, 2.215, 157.010



70, 6.182, 123.351



48, 1.269, 157.028



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 5.670, 156.577



89, 8.912, 156.428



70, 4.194, 186.725



36, 5.070, 156.333



54, 67.604, 143.638



6, 11.235, 154.151

Inverse Universe

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



68, 5.703, 337.368



86, 8.969, 337.513



68, 4.316, 7.575



34, 5.104, 337.604



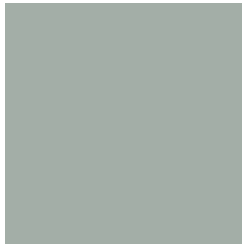
33, 60.188, 349.365



2, 9.994, 341.488

Previews

White Background



This preview shows how the CIELCh color 70, 5.668, 156.581 looks on a white background.

Color Contrast Check

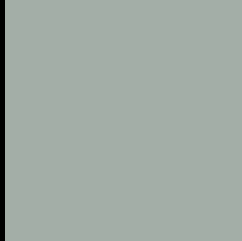
Large Text (above 18pt) WCAG AA × Fail

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 70, 5.668, 156.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

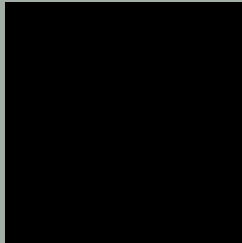
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

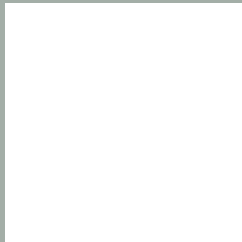
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 5.668, 156.581

Background



This preview shows how black text looks on a background with the CIELCh color 70, 5.668, 156.581.



This preview shows how white text looks on a background with the CIELCh color 70, 5.668, 156.581.

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

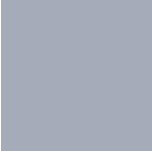
70, 5.668, 156.581

Protanopia

70, 3.317, 74.637

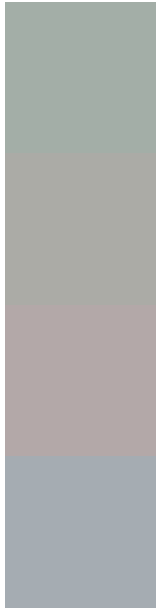
Deuteranopia

70, 9.107, 6.348



Tritanopia
70, 7.844, 277.642

Trichromacy



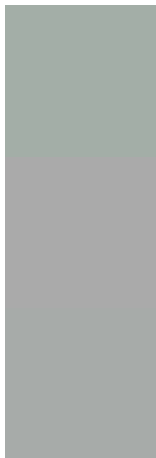
Original Color
70, 5.668, 156.581

Protanomaly
70, 2.724, 109.882

Deuteranomaly
70, 4.201, 19.658

Tritanomaly
70, 4.134, 252.110

Monochromacy



Original Color
70, 5.668, 156.581

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.867, 163.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 5.668, 156.581 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(163, 174, 167)` looks like.

```
.text, #text, p{  
    color:rgb(163, 174, 167)  
}
```

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(163, 174, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 174, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 5.668, 156.581 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(163, 174, 167) }
```

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

```
.border{ border-color:rgb(163, 174, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 174, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 174, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 174, 167);  
box-shadow:4px 4px 4px 4px rgb(163, 174,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 5.668, 156.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 174, 167) }
```

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

```
.background{ background-color: rgb(163,  
174, 167) }
```

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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