

Converting Colors

CIELCh(70, 4.841, 181.400)

Have a look what the booklet for
CIELCh(70, 4.841, 181.400) contains.

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Color

CIELCh(70, 5.122, 180.356)

Conversions

Conversions Part 1

Format	Color
Hex	A1AEAB
RGB	161, 174, 171
RGB Percent	63%, 68%, 67%
CMY	0.3689, 0.3179, 0.3297
CMYK	0.07, 0.00, 0.02, 0.32
HSL	166°, 7%, 66%
HSV	166°, 7%, 68%
XYZ	37.1477, 40.7494, 44.3978
YIQ	169.7710, -6.7850, -3.6890

Conversions

Conversions Part 2

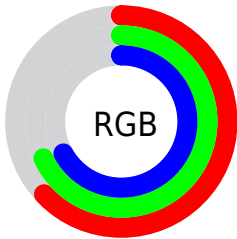
Format	Color
RYB	161, 168, 174
Decimal	10596011
CIELab	70.00, -5.12, -0.03
CIELCh	70, 5.122, 180.356
Yxy	40.7494, 0.3038, 0.3332
Android (android.graphics.Color)	4288786091 (0xFFA1AEAB)
YUV	169.7710, 0.6059, -7.6922
Hunter-Lab	63.8353, -7.8371, 3.4482

Details

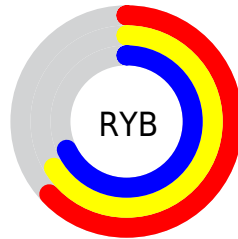
The CIELCh color $70, 5.122, 180.356$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 5.263, 1.526$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 4.873, 180.534$, and $50, 5.449, 180.071$ is the 20% darker color. If you saturate the color by 10%, you get $69, 11.833, 179.363$, and if you desaturate by 10%, it is $71, 1.750, 0.881$.

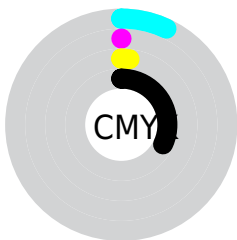
Distribution



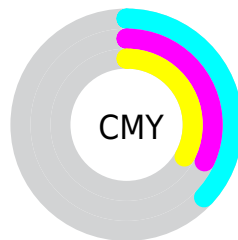
- Red (63%)
- Green (68%)
- Blue (67%)



- Red (63%)
- Yellow (66%)
- Blue (68%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)



- Cyan (37%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 5.122, 180.356 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, 5.122, 180.356 by changing the saturation by 10% instead.

■ 70, 5.122, 180.356

■ 70, 5.122, 180.356

■ 100, 5.122,
180.356

■ 60, 5.122, 180.356

■ 90, 5.122, 180.356

■ 50, 5.122, 180.356

■ 40, 5.122, 180.356

■ 30, 5.122, 180.356

■ 20, 5.122, 180.356

■ 10, 5.122, 180.356

■ 0, 5.122, 180.356

■ 70, 5.122, 180.356

■ 70, 5.122, 180.356

■ 69, 11.833,

■ 71, 1.750, 0.881

179.363

73, 8.705, 1.929

68, 18.283,
178.360

75, 15.677, 2.760

67, 24.364,
177.295

77, 22.613, 3.545

66, 29.965,
176.144

78, 29.475, 4.298

65, 34.976,
174.888

79, 33.058,
358.890

64, 39.308,
173.503

80, 33.739,
355.477

64, 42.905,
171.966

80, 34.545,
352.221

64, 45.759,
170.258

63, 47.962,
168.389

Harmonies

Complementary

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



70, 5.122, 180.356



67, 5.263, 1.526

Rectangle

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



70, 5.122, 180.356



70, 5.122, 230.356



70, 5.122, 0.356



70, 5.122, 50.356

Sweetspot

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



70, 5.123, 180.344



90, 1.707, 181.064



70, 8.083, 137.501



48, 0.978, 181.092



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, 5.123, 180.344



89, 7.646, 180.174



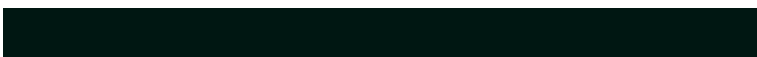
69, 3.964, 227.995



36, 3.864, 180.160



55, 43.430, 168.173



6, 8.601, 175.268

Inverse Universe

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



67, 5.263, 1.526



85, 7.900, 1.708



68, 4.130, 46.962



34, 3.994, 1.723



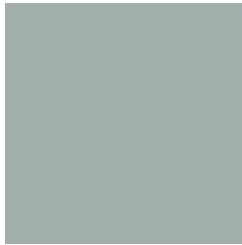
31, 61.012, 26.046



2, 8.117, 4.139

Previews

White Background



This preview shows how the CIE LCh color 70, 5.122, 180.356 looks on a white background.

Color Contrast Check

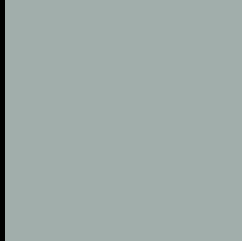
Large Text (above 18pt) WCAG AA × Fail

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, 5.122, 180.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

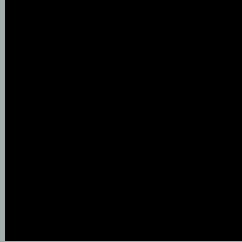
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

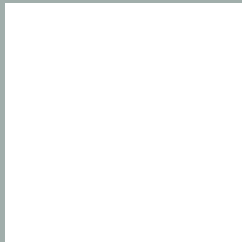
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 5.122, 180.356

Background



This preview shows how black text looks on a background with the CIELCh color 70, 5.122, 180.356.

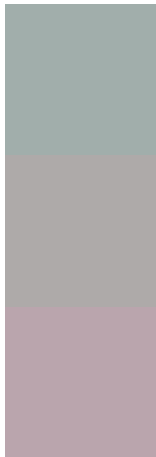


This preview shows how white text looks on a background with the CIELCh color 70, 5.122, 180.356.

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

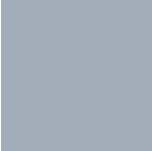
70, 5.122, 180.356

Protanopia

70, 1.604, 39.114

Deuteranopia

70, 9.123, 351.595



Tritanopia
70, 7.754, 266.221

Trichromacy



Original Color
70, 5.122, 180.356

Protanomaly
70, 0.930, 163.945

Deuteranomaly
70, 4.066, 347.094

Tritanomaly
70, 5.481, 243.695

Monochromacy



Original Color
70, 5.122, 180.356

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.601, 179.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 5.122, 180.356 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(161, 174, 171)` looks like.

```
.text, #text, p{  
    color:rgb(161, 174, 171)  
}
```

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(161, 174, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 174, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 5.122, 180.356 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(161, 174, 171) }
```

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

```
.border{ border-color:rgb(161, 174, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 174, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 174, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 174, 171);  
box-shadow:4px 4px 4px 4px rgb(161, 174,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 5.122, 180.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 174, 171) }
```

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

```
.background{ background-color: rgb(161,  
174, 171) }
```

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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