

Converting Colors

CIELCh(70, 3.033, 220.913)

Have a look what the booklet for
CIELCh(70, 3.033, 220.913) contains.

CIELCh(70, 3.042, 232.110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 3.042, 232.110)

Conversions

Conversions Part 1

Format	Color
Hex	A5ACAF
RGB	165, 172, 175
RGB Percent	65%, 67%, 69%
CMY	0.3518, 0.3244, 0.3126
CMYK	0.06, 0.02, 0.00, 0.31
HSL	198°, 6%, 67%
HSV	198°, 6%, 69%
XYZ	38.1484, 40.7494, 46.5594
YIQ	170.2490, -5.1350, -0.5510

Conversions

Conversions Part 2

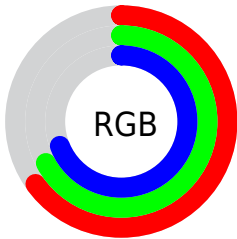
Format	Color
RYB	165, 169, 175
Decimal	10857647
CIELab	70.00, -1.87, -2.40
CIElCh	70, 3.042, 232.110
Yxy	40.7494, 0.3041, 0.3248
Android (android.graphics.Color)	4289047727 (0xFFA5ACAF)
YUV	170.2490, 2.3422, -4.6034
Hunter-Lab	63.8353, -5.0388, 1.4405

Details

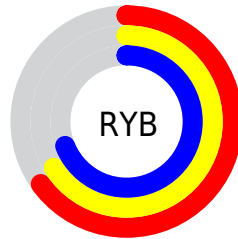
The CIELCh color **70, 3.042, 232.110** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 3.129, 51.010**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 2.898, 232.057**, and **50, 3.230, 232.237** is the 20% darker color. If you saturate the color by 10%, you get **67, 8.196, 232.835**, and if you desaturate by 10%, it is **73, 2.321, 51.053**.

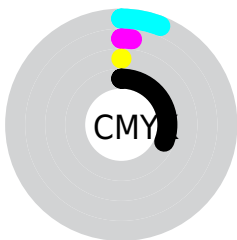
Distribution



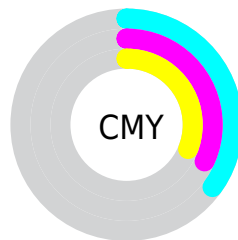
- Red (65%)
- Green (67%)
- Blue (69%)



- Red (65%)
- Yellow (66%)
- Blue (69%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)



- Cyan (35%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.042, 232.110 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, 3.042, 232.110 by changing the saturation by 10% instead.

■ 70, 3.042, 232.110

■ 70, 3.042, 232.110

■ 100, 3.042,
232.110

■ 60, 3.042, 232.110

■ 90, 3.042, 232.110

■ 50, 3.042, 232.110

■ 40, 3.042, 232.110

■ 30, 3.042, 232.110

■ 20, 3.042, 232.110

■ 10, 3.042, 232.110

■ 0, 3.042, 232.110

■ 70, 3.042, 232.110

■ 70, 3.042, 232.110

■ 67, 8.196, 232.835

■ 73, 2.321, 51.053

65, 13.083,
233.899

76, 7.844, 50.662

62, 17.643,
235.265

78, 13.486, 50.269

60, 21.815,
236.995

81, 19.210, 49.950

57, 25.544,
239.171

86, 25.433, 56.060

55, 28.797,
241.881

87, 25.556, 63.337

53, 31.576,
245.208

88, 26.092, 70.413

51, 33.935,
249.203

90, 27.015, 77.082

49, 35.995,
253.837

Harmonies

Complementary

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



70, 3.042, 232.110



69, 3.129, 51.010

Rectangle

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



70, 3.042, 232.110



70, 3.042, 282.110



70, 3.042, 52.110



70, 3.042, 102.110

Sweetspot

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



70, 3.042, 232.075



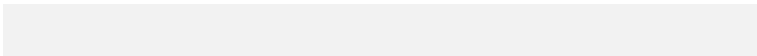
90, 1.327, 232.077



71, 5.458, 153.296



48, 0.761, 232.093



96, 0.011, 296.813



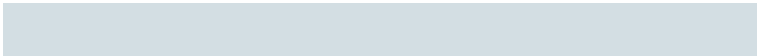
48, 0.006, 296.813

Same Dimension

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



70, 3.042, 232.075



88, 4.590, 232.154



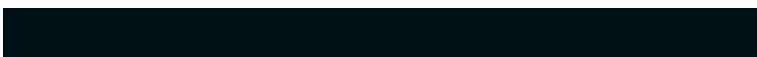
69, 4.372, 280.079



36, 2.384, 232.174



42, 32.776, 255.174



4, 6.455, 242.673

Inverse Universe

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



69, 5.418, 334.599



86, 8.207, 334.706



71, 4.335, 98.708



35, 4.267, 334.730



33, 62.472, 344.516



2, 10.500, 338.158

Previews

White Background



This preview shows how the CIE LCh color 70, 3.042, 232.110 looks on a white background.

Color Contrast Check

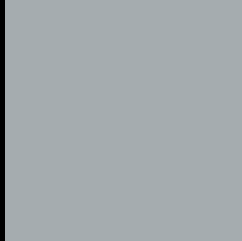
Large Text (above 18pt) WCAG AA × Fail

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, 3.042, 232.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

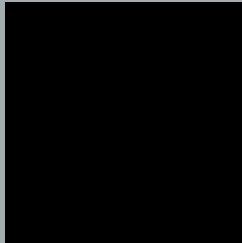
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

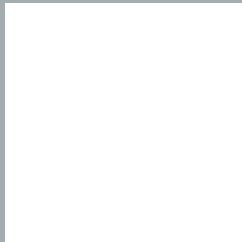
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.042, 232.110

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.042, 232.110.



This preview shows how white text looks on a background with the CIELCh color 70, 3.042, 232.110.

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

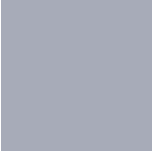
70, 3.042, 232.110

Protanopia

70, 2.481, 317.320

Deuteranopia

70, 9.383, 340.380



Tritanopia
70, 7.240, 279.343

Trichromacy



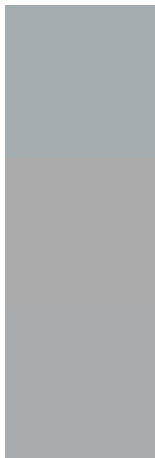
Original Color
70, 3.042, 232.110

Protanomaly
70, 1.685, 277.596

Deuteranomaly
70, 5.801, 330.822

Tritanomaly
70, 5.743, 272.223

Monochromacy



Original Color
70, 3.042, 232.110

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.321, 255.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 3.042, 232.110 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(165, 172, 175)` looks like.

```
.text, #text, p{  
    color:rgb(165, 172, 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(165, 172, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 172, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.042, 232.110 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(165, 172, 175) }
```

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

```
.border{ border-color:rgb(165, 172, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 172, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 172, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 172, 175);  
box-shadow:4px 4px 4px 4px rgb(165, 172,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.042, 232.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 172, 175) }
```

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

```
.background{ background-color: rgb(165,  
172, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor