

Converting Colors

CIELCh(70, 3.572, 232.417)

Have a look what the booklet for
CIELCh(70, 3.572, 232.417) contains.

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Color

CIELCh(70, 3.640, 236.397)

Conversions

Conversions Part 1

Format	Color
Hex	A4ACB0
RGB	164, 172, 176
RGB Percent	64%, 67%, 69%
CMY	0.3553, 0.3239, 0.3082
CMYK	0.07, 0.02, 0.00, 0.31
HSL	200°, 7%, 67%
HSV	200°, 7%, 69%
XYZ	38.1031, 40.7494, 47.1468
YIQ	170.0640, -6.0520, -0.4520

Conversions

Conversions Part 2

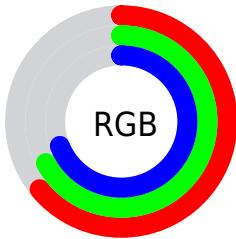
Format	Color
RYB	164, 169, 176
Decimal	10792112
CIELab	70.00, -2.01, -3.03
CIElCh	70, 3.640, 236.397
Yxy	40.7494, 0.3024, 0.3234
Android (android.graphics.Color)	4288982192 (0xFFA4ACB0)
YUV	170.0640, 2.9264, -5.3181
Hunter-Lab	63.8353, -5.1656, 0.8949

Details

The CIELCh color $70, 3.640, 236.397$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 3.757, 55.023$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 3.793, 242.736$, and $50, 3.862, 236.606$ is the 20% darker color. If you saturate the color by 10%, you get $67, 8.816, 237.320$, and if you desaturate by 10%, it is $73, 1.729, 55.166$.

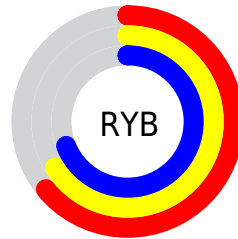
Distribution



Red (64%)

Green (67%)

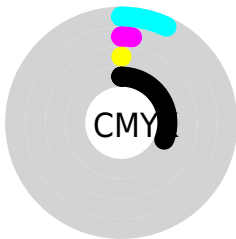
Blue (69%)



Red (64%)

Yellow (66%)

Blue (69%)

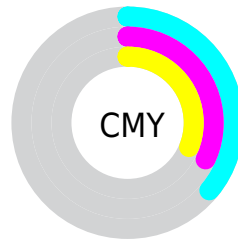


Cyan (7%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (36%)

Magenta (32%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.640, 236.397 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, 3.640, 236.397 by changing the saturation by 10% instead.

■ 70, 3.640, 236.397

■ 70, 3.640, 236.397

■ 100, 3.640,
236.397

■ 60, 3.640, 236.397

■ 90, 3.640, 236.397

■ 50, 3.640, 236.397

■ 40, 3.640, 236.397

■ 30, 3.640, 236.397

■ 20, 3.640, 236.397

■ 10, 3.640, 236.397

■ 0, 3.640, 236.397

■ 70, 3.640, 236.397

■ 70, 3.640, 236.397

■ 67, 8.816, 237.320

■ 73, 1.729, 55.166

64, 13.748,
238.576

76, 7.245, 54.696

62, 18.380,
240.156

79, 12.869, 54.183

59, 22.660,
242.128

82, 18.568, 53.753

56, 26.543,
244.574

85, 24.315, 53.398

54, 30.010,
247.577

87, 25.060, 60.524

52, 33.078,
251.205

88, 25.517, 68.665

50, 35.818,
255.485

90, 26.477, 76.339

48, 38.369,
260.320

91, 27.881, 83.324

Harmonies

Complementary

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



70, 3.640, 236.397



70, 3.757, 55.023

Rectangle

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



70, 3.640, 236.397



70, 3.640, 286.397



70, 3.640, 56.397



70, 3.640, 106.397

Sweetspot

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



70, 3.640, 236.368



90, 1.339, 236.235



71, 6.389, 154.546



48, 0.761, 236.249



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, 3.640, 236.368



88, 5.286, 236.472



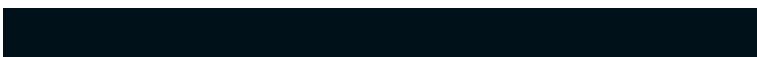
68, 5.444, 282.186



36, 3.044, 236.573



41, 35.071, 261.208



4, 7.723, 248.683

Inverse Universe

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



69, 6.346, 336.076



86, 9.249, 336.179



71, 5.388, 100.615



35, 5.343, 336.269



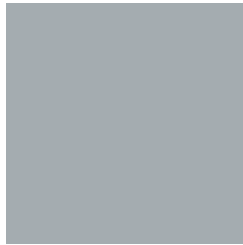
33, 61.956, 347.025



2, 11.882, 340.575

Previews

White Background



This preview shows how the CIELCh color 70, 3.640, 236.397 looks on a white background.

Color Contrast Check

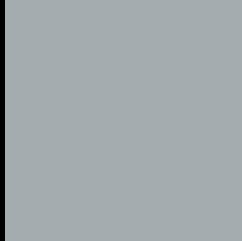
Large Text (above 18pt) WCAG AA × Fail

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, 3.640, 236.397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

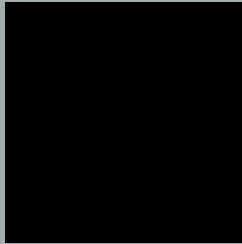
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

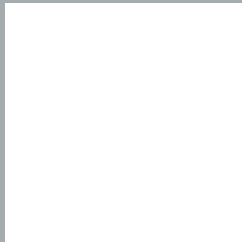
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.640, 236.397

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.640, 236.397.



This preview shows how white text looks on a background with the CIELCh color 70, 3.640, 236.397.

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

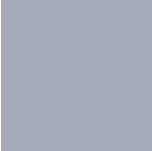
70, 3.640, 236.397

Protanopia

70, 2.979, 312.554

Deuteranopia

70, 9.462, 336.315



Tritanopia
70, 7.844, 277.642

Trichromacy



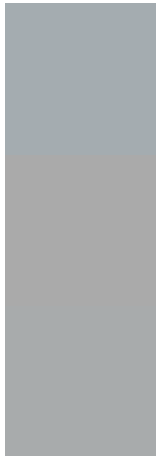
Original Color
70, 3.640, 236.397

Protanomaly
70, 2.762, 282.753

Deuteranomaly
70, 6.005, 324.677

Tritanomaly
70, 5.991, 265.611

Monochromacy



Original Color
70, 3.640, 236.397

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.243, 225.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 3.640, 236.397 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(164, 172, 176)` looks like.

```
.text, #text, p{  
    color:rgb(164, 172, 176)  
}
```

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(164, 172, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 172, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.640, 236.397 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(164, 172, 176) }
```

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

```
.border{ border-color:rgb(164, 172, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 172, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 172, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 172, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 172,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.640, 236.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 172, 176) }
```

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

```
.background{ background-color: rgb(164,  
172, 176) }
```

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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