

Converting Colors

CIELCh(70, 3.355, 65.698)

Have a look what the booklet for
CIELCh(70, 3.355, 65.698) contains.

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Color

CIELCh(70, 3.151, 63.199)

Conversions

Conversions Part 1

Format	Color
Hex	B0AAA6
RGB	176, 170, 166
RGB Percent	69%, 67%, 65%
CMY	0.3097, 0.3332, 0.3489
CMYK	0.00, 0.03, 0.06, 0.31
HSL	24°, 6%, 67%
HSV	24°, 6%, 69%
XYZ	39.1781, 40.7494, 41.8920
YIQ	171.3380, 4.8600, 0.0280

Conversions

Conversions Part 2

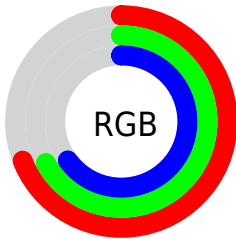
Format	Color
RYB	176, 173, 166
Decimal	11578022
CIELab	70.00, 1.42, 2.81
CIElCh	70, 3.151, 63.199
Yxy	40.7494, 0.3216, 0.3345
Android (android.graphics.Color)	4289768102 (0xFFB0AAA6)
YUV	171.3380, -2.6316, 4.0886
Hunter-Lab	63.8353, -2.1594, 5.7756

Details

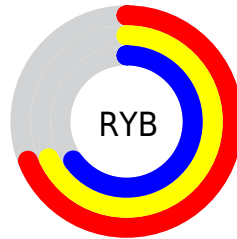
The CIELCh color $70, 3.151, 63.199$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 3.090, 244.663$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 3.255, 58.861$, and $50, 3.382, 63.020$ is the 20% darker color. If you saturate the color by 10%, you get $67, 8.975, 62.321$, and if you desaturate by 10%, it is $73, 2.337, 244.543$.

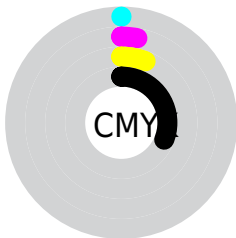
Distribution



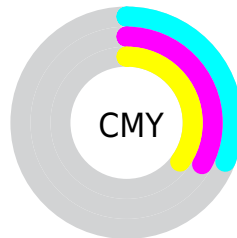
- Red (69%)
- Green (67%)
- Blue (65%)



- Red (69%)
- Yellow (68%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (6%)
- Black (31%)



- Cyan (31%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 3.151, 63.199 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, 3.151, 63.199 by changing the saturation by 10% instead.

■ 70, 3.151, 63.199

■ 70, 3.151, 63.199

■ 100, 3.151, 63.199

■ 60, 3.151, 63.199

■ 90, 3.151, 63.199

■ 50, 3.151, 63.199

■ 40, 3.151, 63.199

■ 30, 3.151, 63.199

■ 20, 3.151, 63.199

■ 10, 3.151, 63.199

■ 0, 3.151, 63.199

■ 70, 3.151, 63.199

■ 70, 3.151, 63.199

■ 67, 8.975, 62.321

■ 73, 2.337, 244.543

64, 15.170, 61.358

77, 7.525, 245.424

61, 21.765, 60.416

80, 12.448,
246.389

58, 28.773, 59.510

83, 17.137,
247.345

55, 36.175, 58.643

52, 43.883, 57.791

87, 21.622,
248.279

49, 51.674, 56.880

89, 20.984,
231.077

47, 59.057, 55.723

45, 65.170, 53.974

92, 22.089,
213.251

95, 24.928,
198.491

95, 25.100,
197.870

Harmonies

Complementary

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



70, 3.151, 63.199



70, 3.090, 244.663

Rectangle

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



70, 3.151, 63.199



70, 3.151, 113.199



70, 3.151, 243.199



70, 3.151, 293.199

Sweetspot

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



70, 3.151, 63.237



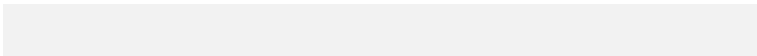
90, 1.358, 63.369



69, 5.036, 338.983



48, 0.771, 63.359



96, 0.011, 296.813



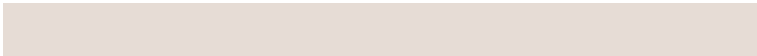
48, 0.006, 296.813

Same Dimension

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



70, 3.151, 63.237



88, 4.840, 63.119



71, 4.899, 105.205



36, 2.556, 63.089



38, 60.831, 53.738



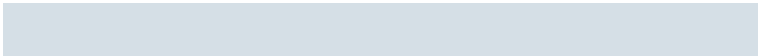
4, 7.500, 52.685

Inverse Universe

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



70, 3.090, 244.663



88, 4.715, 244.801



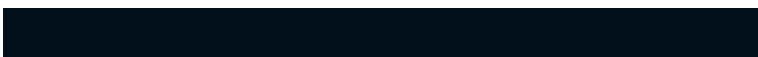
69, 4.960, 286.425



36, 2.486, 244.835



38, 39.800, 271.585



4, 8.091, 256.678

Previews

White Background



This preview shows how the CIE LCh color 70, 3.151, 63.199 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, 3.151, 63.199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

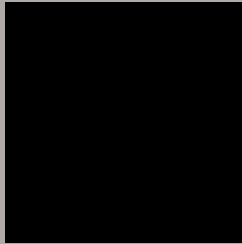
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

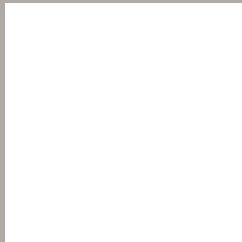
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 3.151, 63.199

Background



This preview shows how black text looks on a background with the CIELCh color 70, 3.151, 63.199.



This preview shows how white text looks on a background with the CIELCh color 70, 3.151, 63.199.

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, 3.151, 63.199

Protanopia

70, 2.885, 68.475

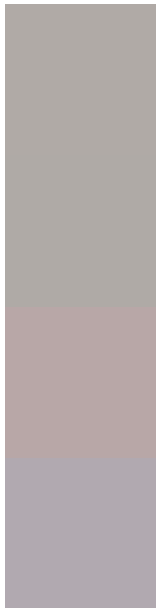
Deuteranopia

70, 9.334, 13.507



Tritanopia
70, 8.073, 318.165

Trichromacy



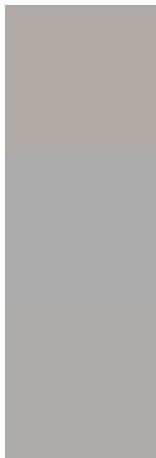
Original Color
70, 3.151, 63.199

Protanomaly
70, 2.885, 68.475

Deuteranomaly
70, 6.538, 19.907

Tritanomaly
70, 4.896, 328.250

Monochromacy



Original Color
70, 3.151, 63.199

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.316, 74.895

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 70, 3.151, 63.199 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(176, 170, 166)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 166)  
}
```

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(176, 170, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 3.151, 63.199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

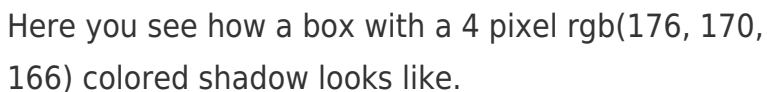
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 170, 166) }
```

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

```
.border{ border-color:rgb(176, 170, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 170, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 170, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 170, 166); box-shadow:4px 4px 4px 4px rgb(176, 170, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 3.151, 63.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 166) }
```

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

```
.background{ background-color: rgb(176,  
170, 166) }
```

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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