

Converting Colors

CIELCh(70, 3.065, 69.687)

Have a look what the booklet for
CIELCh(70, 3.065, 69.687) contains.

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Color

CIELCh(70, 2.885, 68.475)

Conversions

Conversions Part 1

Format	Color
Hex	AFAAA6
RGB	175, 170, 166
RGB Percent	69%, 67%, 65%
CMY	0.3127, 0.3323, 0.3480
CMYK	0.00, 0.03, 0.05, 0.31
HSL	27°, 5%, 67%
HSV	27°, 5%, 69%
XYZ	39.0638, 40.7494, 42.0033
YIQ	171.0390, 4.2640, -0.1840

Conversions

Conversions Part 2

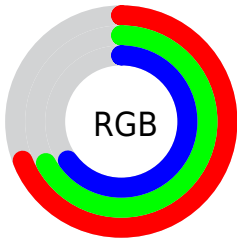
Format	Color
RYB	175, 173, 166
Decimal	11512486
CIELab	70.00, 1.06, 2.68
CIELCh	70, 2.885, 68.475
Yxy	40.7494, 0.3207, 0.3345
Android (android.graphics.Color)	4289702566 (0xFFAFAAA6)
YUV	171.0390, -2.4842, 3.4738
Hunter-Lab	63.8353, -2.4791, 5.6722

Details

The CIELCh color $70, 2.885, 68.475$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 2.848, 249.935$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 2.982, 63.289$, and $50, 3.094, 68.293$ is the 20% darker color. If you saturate the color by 10%, you get $67, 8.745, 67.485$, and if you desaturate by 10%, it is $73, 2.674, 249.891$.

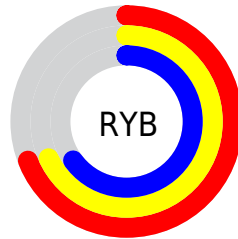
Distribution



Red (69%)

Green (67%)

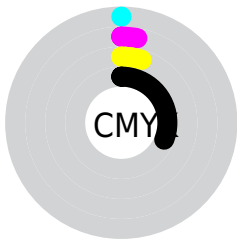
Blue (65%)



Red (69%)

Yellow (68%)

Blue (65%)

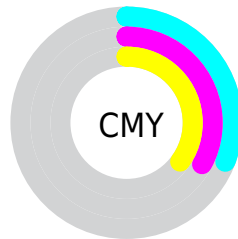


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.885, 68.475 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, 2.885, 68.475 by changing the saturation by 10% instead.

■ 70, 2.885, 68.475

■ 70, 2.885, 68.475

■ 100, 2.885, 68.475

■ 60, 2.885, 68.475

■ 90, 2.885, 68.475

■ 50, 2.885, 68.475

■ 40, 2.885, 68.475

■ 30, 2.885, 68.475

■ 20, 2.885, 68.475

■ 10, 2.885, 68.475

■ 0, 2.885, 68.475

■ 70, 2.885, 68.475

■ 70, 2.885, 68.475

■ 67, 8.745, 67.485

■ 73, 2.674, 249.891

64, 14.934, 66.386

76, 7.965, 250.886

61, 21.476, 65.285

79, 13.018,
251.930

58, 28.379, 64.196

82, 17.860,
252.953

56, 35.616, 63.118

53, 43.093, 62.025

85, 22.518,
253.944

51, 50.582, 60.845

88, 21.334,
239.005

48, 57.605, 59.407

46, 63.330, 57.385

91, 21.459,
222.140

93, 23.249,
206.885

95, 25.316,
197.856

Harmonies

Complementary

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



70, 2.885, 68.475



70, 2.848, 249.935

Rectangle

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



70, 2.885, 68.475



70, 2.885, 118.475



70, 2.885, 248.475



70, 2.885, 298.475

Sweetspot

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



70, 2.885, 68.516



89, 1.371, 68.660



69, 4.430, 340.538



48, 0.785, 68.653



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, 2.885, 68.516



88, 4.170, 68.429



71, 4.568, 106.837



36, 2.216, 68.391



39, 58.723, 56.931



4, 6.411, 59.341

Inverse Universe

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



70, 2.848, 249.935



88, 4.100, 250.033



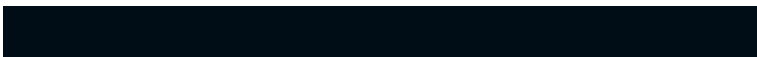
69, 4.627, 287.910



36, 2.175, 250.076



35, 42.926, 277.247



3, 7.057, 259.576

Previews

White Background



This preview shows how the CIELCh color 70, 2.885, 68.475 looks on a white background.

Color Contrast Check

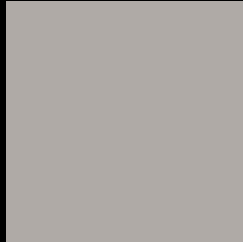
Large Text (above 18pt) WCAG AA × Fail

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, 2.885, 68.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

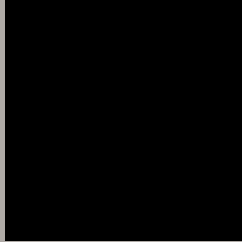
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

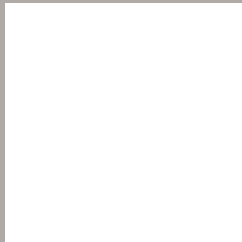
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 2.885, 68.475

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.885, 68.475.



This preview shows how white text looks on a background with the CIELCh color 70, 2.885, 68.475.

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, 2.885, 68.475

Protanopia

70, 2.885, 68.475

Deuteranopia

70, 9.334, 13.507



Tritanopia
70, 7.907, 315.763

Trichromacy



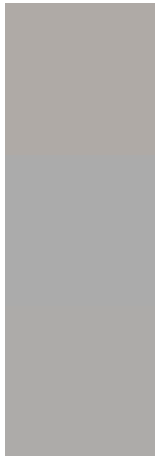
Original Color
70, 2.885, 68.475

Protanomaly
70, 2.885, 68.475

Deuteranomaly
70, 6.538, 19.907

Tritanomaly
70, 4.673, 324.606

Monochromacy



Original Color
70, 2.885, 68.475

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, 2.885, 68.475 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(175, 170, 166)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 170, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 170, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 2.885, 68.475 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(175, 170, 166) }
```

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

```
.border{ border-color:rgb(175, 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(175, 170, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 170, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 170, 166);  
box-shadow:4px 4px 4px 4px rgb(175, 170,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 2.885, 68.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 170, 166) }
```

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

```
.background{ background-color: rgb(175,  
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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