

Converting Colors

CIELCh(69, 3.686, 9.056)

Have a look what the booklet for
CIELCh(69, 3.686, 9.056) contains.

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Color

CIELCh(69, 3.860, 11.477)

Conversions

Conversions Part 1

Format	Color
Hex	B0A6A7
RGB	176, 166, 167
RGB Percent	69%, 65%, 65%
CMY	0.3094, 0.3486, 0.3447
CMYK	0.00, 0.06, 0.05, 0.31
HSL	354°, 6%, 67%
HSV	354°, 6%, 69%
XYZ	38.5660, 39.3444, 42.1693
YIQ	169.1040, 5.6390, 2.4310

Conversions

Conversions Part 2

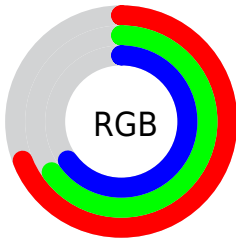
Format	Color
RYB	176, 166, 167
Decimal	11576999
CIELab	69.00, 3.78, 0.77
CIELCh	69, 3.860, 11.477
Yxy	39.3444, 0.3212, 0.3277
Android (android.graphics.Color)	4289767079 (0xFFB0A6A7)
YUV	169.1040, -1.0373, 6.0478
Hunter-Lab	62.7251, -0.0198, 4.0476

Details

The CIELCh color $69, 3.860, 11.477$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $71, 3.748, 190.870$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 4.015, 12.117$, and $49, 4.144, 11.695$ is the 20% darker color. If you saturate the color by 10%, you get $64, 11.005, 12.499$, and if you desaturate by 10%, it is $74, 2.838, 191.033$.

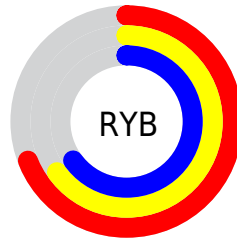
Distribution



Red (69%)

Green (65%)

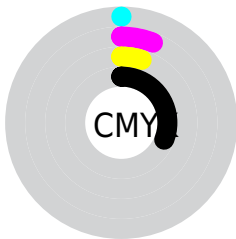
Blue (65%)



Red (69%)

Yellow (65%)

Blue (65%)

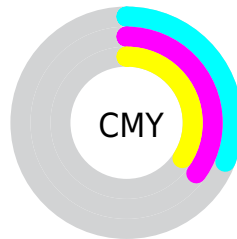


Cyan (0%)

Magenta (6%)

Yellow (5%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 3.860, 11.477 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 69, 3.860, 11.477 by changing the saturation by 10% instead.

 69, 3.860, 11.477  69, 3.860, 11.477

 100, 3.860, 11.477  59, 3.860, 11.477

 89, 3.860, 11.477  49, 3.860, 11.477

 99, 3.860, 11.477  39, 3.860, 11.477

 29, 3.860, 11.477

 19, 3.860, 11.477

 9, 3.860, 11.477

 0, 3.860, 11.477

 69, 3.860, 11.477  69, 3.860, 11.477

 64, 11.005, 12.499  74, 2.838, 191.033

59, 18.596, 13.638

79, 9.105, 190.268

55, 26.584, 15.037

84, 14.973,
189.694

50, 34.862, 16.790

90, 20.482,
189.204

46, 43.245, 19.015

43, 51.481, 21.839

95, 25.669,
188.777

40, 59.289, 25.361

95, 25.081,
197.871

38, 66.413, 29.552

37, 72.578, 34.044

Harmonies

Complementary

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



69, 3.860, 11.477



71, 3.748, 190.870

Rectangle

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



69, 3.860, 11.477



69, 3.860, 61.477



69, 3.860, 191.477



69, 3.860, 241.477

Sweetspot

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



69, 3.858, 11.499



90, 1.668, 10.975



69, 6.474, 321.952



48, 0.947, 10.946



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 3.858, 11.499



87, 5.928, 11.647



70, 3.150, 63.200



36, 3.131, 11.681



31, 67.203, 35.171



2, 9.227, 13.024

Inverse Universe

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



69, 3.858, 11.499



87, 5.928, 11.647



70, 3.089, 244.625



36, 3.131, 11.681



31, 67.203, 35.171



2, 9.227, 13.024

Previews

White Background



This preview shows how the CIELCh color 69, 3.860, 11.477 looks on a white background.

Color Contrast Check

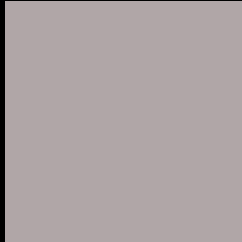
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 69, 3.860, 11.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

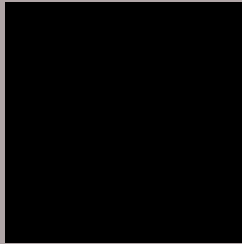
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 3.860, 11.477

Background



This preview shows how black text looks on a background with the CIELCh color 69, 3.860, 11.477.

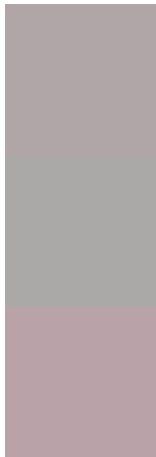


This preview shows how white text looks on a background with the CIELCh color 69, 3.860, 11.477.

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


69, 3.860, 11.477

Protanopia

69, 1.137, 19.078

Deuteranopia

69, 8.887, 2.278



Tritanopia
69, 8.901, 326.835

Trichromacy



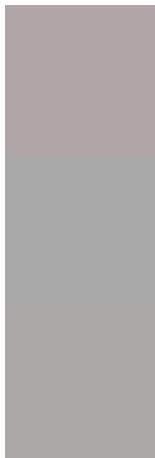
Original Color
69, 3.860, 11.477

Protanomaly
69, 2.350, 5.927

Deuteranomaly
69, 7.244, 2.436

Tritanomaly
69, 6.338, 336.084

Monochromacy



Original Color
69, 3.860, 11.477

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 1.517, 19.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 3.860, 11.477 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, 166, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 166, 167)  
}
```

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, 166, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 166, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 3.860, 11.477 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, 166, 167) }
```

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

```
.border{ border-color:rgb(176, 166, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 166, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 166,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 3.860, 11.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 166, 167) }
```

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

```
.background{ background-color: rgb(176,  
166, 167) }
```

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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