

Converting Colors

CIELCh(69, 1.035, 128.856)

Have a look what the booklet for
CIELCh(69, 1.035, 128.856) contains.

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Color

CIELCh(69, 1.156, 129.109)

Conversions

Conversions Part 1

Format	Color
Hex	A8A9A7
RGB	168, 169, 167
RGB Percent	66%, 66%, 65%
CMY	0.3423, 0.3383, 0.3462
CMYK	0.01, 0.00, 0.01, 0.34
HSL	90°, 1%, 66%
HSV	90°, 1%, 66%
XYZ	37.1728, 39.3444, 42.0575
YIQ	168.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

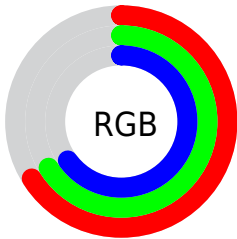
Format	Color
RYB	167, 169, 168
Decimal	11053479
CIELab	69.00, -0.73, 0.90
CIElCh	69, 1.156, 129.109
Yxy	39.3444, 0.3135, 0.3318
Android (android.graphics.Color)	4289243559 (0xFFA8A9A7)
YUV	168.4730, -0.7262, -0.4148
Hunter-Lab	62.7251, -3.9844, 4.1533

Details

The CIELCh color $69, 1.156, 129.109$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 1.176, 309.058$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 1.094, 129.148$, and $49, 1.238, 129.063$ is the 20% darker color. If you saturate the color by 10%, you get $68, 11.008, 128.617$, and if you desaturate by 10%, it is $70, 8.634, 309.439$.

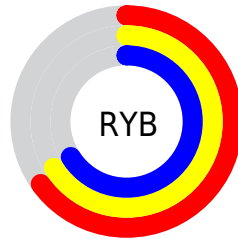
Distribution



Red (66%)

Green (66%)

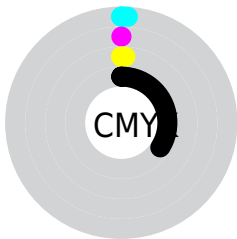
Blue (65%)



Red (65%)

Yellow (66%)

Blue (66%)

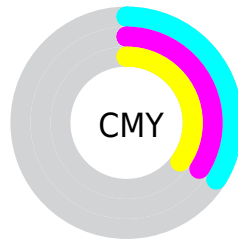


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (34%)



Cyan (34%)

Magenta (34%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 1.156, 129.109 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, 1.156, 129.109 by changing the saturation by 10% instead.

■ 69, 1.156, 129.109

■ 69, 1.156, 129.109

■ 100, 1.156,
129.109

■ 59, 1.156, 129.109

■ 89, 1.156, 129.109

■ 49, 1.156, 129.109

■ 99, 1.156, 129.109

■ 39, 1.156, 129.109

■ 29, 1.156, 129.109

■ 19, 1.156, 129.109

■ 9, 1.156, 129.109

■ 0, 1.156, 129.109

■ 69, 1.156, 129.109

■ 69, 1.156, 129.109

■ 68, 11.008,

■ 70, 8.634, 309.439

128.617

71, 18.329,
309.816

67, 20.859,
128.148

73, 27.897,
310.152

66, 30.633,
127.668

74, 37.320,
310.454

65, 40.217,
127.197

75, 46.584,
310.723

64, 49.450,
126.773

76, 49.273,
313.227

64, 58.098,
126.456

77, 50.122,
316.370

63, 65.841,
126.334

78, 51.104,
319.448

63, 72.276,
126.523

79, 52.215,
322.444

62, 77.019,
127.143

Harmonies

Complementary

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



69, 1.156, 129.109



69, 1.176, 309.058

Rectangle

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



69, 1.156, 129.109



69, 1.156, 179.109



69, 1.156, 309.109



69, 1.156, 359.109

Sweetspot

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



69, 1.158, 129.136



88, 0.010, 296.813



69, 0.657, 74.787



46, 0.006, 296.813



94, 0.011, 296.813

Same Dimension

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



69, 1.158, 129.136



87, 1.206, 129.158



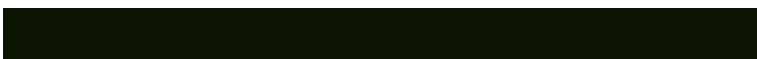
69, 1.334, 144.548



36, 0.550, 129.172



55, 72.493, 127.782



5, 10.312, 131.488

Inverse Universe

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



69, 1.176, 309.058



87, 1.228, 309.036



69, 1.350, 324.338



35, 0.560, 309.023



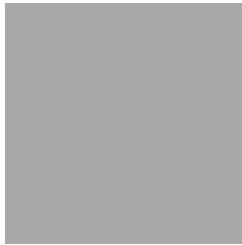
22, 82.965, 312.114



1, 10.006, 306.621

Previews

White Background



This preview shows how the CIELCh color 69, 1.156, 129.109 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 69, 1.156, 129.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

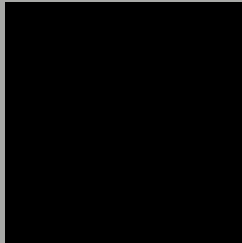
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

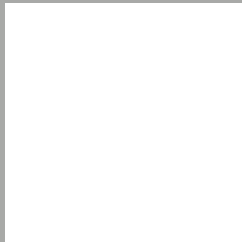
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 1.156, 129.109

Background



This preview shows how black text looks on a background with the CIELCh color 69, 1.156, 129.109.



This preview shows how white text looks on a background with the CIELCh color 69, 1.156, 129.109.

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, 1.156, 129.109

Protanopia

69, 1.863, 55.192

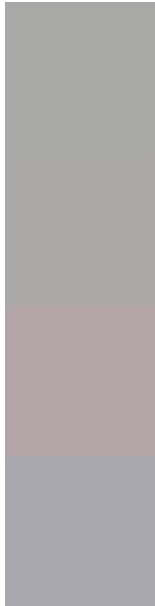
Deuteranopia

69, 8.887, 2.278



Tritanopia
69, 7.249, 299.645

Trichromacy



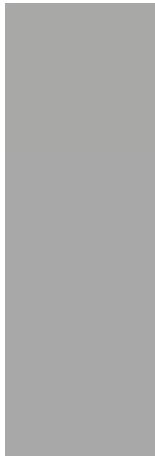
Original Color
69, 1.156, 129.109

Protanomaly
69, 1.320, 74.894

Deuteranomaly
69, 5.605, 2.805

Tritanomaly
69, 3.872, 296.083

Monochromacy



Original Color
69, 1.156, 129.109

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 1.156, 129.109 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(168, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(168, 169, 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(168, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 169, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 1.156, 129.109 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(168, 169, 167) }
```

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

```
.border{ border-color:rgb(168, 169, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 169, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(168, 169,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 1.156, 129.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 169, 167) }
```

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

```
.background{ background-color: rgb(168,  
169, 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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