

Converting Colors

CIE LCh(69, 1.330, 182.205)

Have a look what the booklet for
CIELCh(69, 1.330, 182.205) contains.

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Color

CIELCh(69, 1.257, 173.861)

Conversions

Conversions Part 1

Format	Color
Hex	A6A9A8
RGB	166, 169, 168
RGB Percent	65%, 66%, 66%
CMY	0.3488, 0.3370, 0.3409
CMYK	0.02, 0.00, 0.01, 0.34
HSL	160°, 2%, 66%
HSV	160°, 2%, 66%
XYZ	37.0143, 39.3444, 42.7216
YIQ	167.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

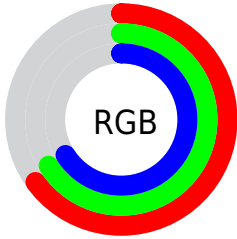
Format	Color
RYB	166, 168, 169
Decimal	10922408
CIELab	69.00, -1.25, 0.13
CIElCh	69, 1.257, 173.861
Yxy	39.3444, 0.3108, 0.3304
Android (android.graphics.Color)	4289112488 (0xFFA6A9A8)
YUV	167.9890, 0.0054, -1.7444
Hunter-Lab	62.7251, -4.4355, 3.5256

Details

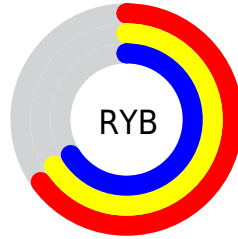
The CIELCh color $69, 1.257, 173.861$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 1.273, 353.485$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 1.192, 173.996$, and $49, 1.346, 173.706$ is the 20% darker color. If you saturate the color by 10%, you get $68, 8.335, 172.627$, and if you desaturate by 10%, it is $71, 5.864, 354.275$.

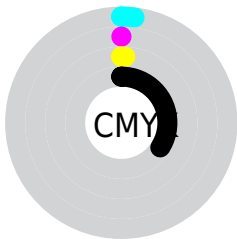
Distribution



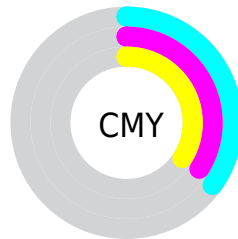
- Red (65%)
- Green (66%)
- Blue (66%)



- Red (65%)
- Yellow (66%)
- Blue (66%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)



- Cyan (35%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 1.257, 173.861 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, 1.257, 173.861 by changing the saturation by 10% instead.

■ 69, 1.257, 173.861 ■ 69, 1.257, 173.861

■ 100, 1.257,
173.861 ■ 59, 1.257, 173.861

■ 89, 1.257, 173.861 ■ 49, 1.257, 173.861

■ 99, 1.257, 173.861 ■ 39, 1.257, 173.861

■ 29, 1.257, 173.861

■ 19, 1.257, 173.861

■ 9, 1.257, 173.861

■ 0, 1.257, 173.861

■ 69, 1.257, 173.861 ■ 69, 1.257, 173.861

■ 68, 8.335, 172.627 ■ 71, 5.864, 354.275

66, 15.281,
171.620

72, 12.965,
355.117

65, 21.998,
170.539

74, 19.994,
355.888

64, 28.375,
169.359

76, 26.914,
356.615

63, 34.296,
168.055

78, 33.699,
357.306

63, 39.651,
166.603

78, 36.192,
354.189

62, 44.354,
164.980

79, 37.407,
349.991

62, 48.356,
163.164

79, 38.828,
346.102

61, 51.663,
161.149

79, 40.431,
342.529

Harmonies

Complementary

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



69, 1.257, 173.861



68, 1.273, 353.485

Rectangle

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



69, 1.257, 173.861



69, 1.257, 223.861



69, 1.257, 353.861



69, 1.257, 43.861

Sweetspot

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



69, 1.259, 173.818



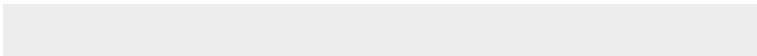
87, 0.874, 174.130



69, 1.804, 134.140



46, 0.496, 174.169



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



69, 1.259, 173.818



87, 1.753, 173.754



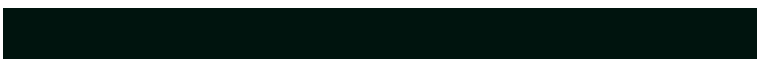
69, 0.987, 214.342



36, 0.799, 173.797



54, 48.748, 159.689



5, 7.701, 168.752

Inverse Universe

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



68, 1.273, 353.485



86, 1.772, 353.550



69, 0.995, 33.363



35, 0.809, 353.506



31, 57.322, 16.902



2, 7.157, 356.833

Previews

White Background



This preview shows how the CIELCh color 69, 1.257, 173.861 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, 1.257, 173.861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

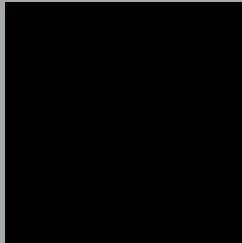
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

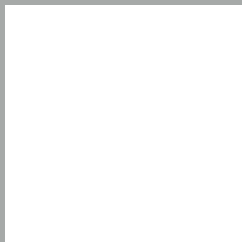
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 1.257, 173.861

Background



This preview shows how black text looks on a background with the CIELCh color 69, 1.257, 173.861.

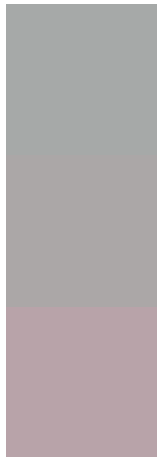


This preview shows how white text looks on a background with the CIELCh color 69, 1.257, 173.861.

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, 1.257, 173.861

Protanopia

69, 1.519, 19.221

Deuteranopia

69, 8.696, 357.998



Tritanopia
69, 7.164, 293.836

Trichromacy



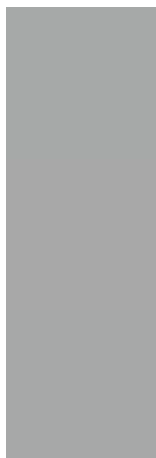
Original Color
69, 1.257, 173.861

Protanomaly
69, 0.656, 74.786

Deuteranomaly
69, 5.082, 354.229

Tritanomaly
69, 4.408, 285.826

Monochromacy



Original Color
69, 1.257, 173.861

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 0.376, 200.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 1.257, 173.861 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(166, 169, 168)` looks like.

```
.text, #text, p{  
    color:rgb(166, 169, 168)  
}
```

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(166, 169, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 169, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 1.257, 173.861 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(166, 169, 168) }
```

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

```
.border{ border-color:rgb(166, 169, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 169, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 169, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 169, 168);  
box-shadow:4px 4px 4px 4px rgb(166, 169,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 1.257, 173.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 169, 168) }
```

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

```
.background{ background-color: rgb(166,  
169, 168) }
```

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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