

Converting Colors

CIELCh(69, 0.988, 162.871)

Have a look what the booklet for
CIELCh(69, 0.988, 162.871) contains.

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Color

CIELCh(69, 0.932, 163.940)

Conversions

Conversions Part 1

Format	Color
Hex	A7A9A8
RGB	167, 169, 168
RGB Percent	65%, 66%, 66%
CMY	0.3457, 0.3378, 0.3417
CMYK	0.01, 0.00, 0.01, 0.34
HSL	150°, 1%, 66%
HSV	150°, 1%, 66%
XYZ	37.1221, 39.3444, 42.6136
YIQ	168.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

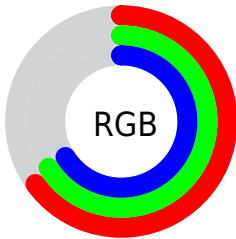
Format	Color
RYB	167, 168, 169
Decimal	10987944
CIELab	69.00, -0.90, 0.26
CIElCh	69, 0.932, 163.940
Yxy	39.3444, 0.3117, 0.3304
Android (android.graphics.Color)	4289178024 (0xFFA7A9A8)
YUV	168.2880, -0.1420, -1.1296
Hunter-Lab	62.7251, -4.1287, 3.6276

Details

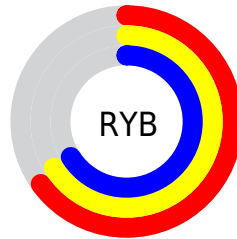
The CIELCh color $69, 0.932, 163.940$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 0.947, 343.331$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 0.883, 164.078$, and $49, 0.999, 163.793$ is the 20% darker color. If you saturate the color by 10%, you get $68, 8.874, 162.727$, and if you desaturate by 10%, it is $71, 6.959, 344.224$.

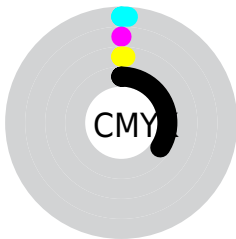
Distribution



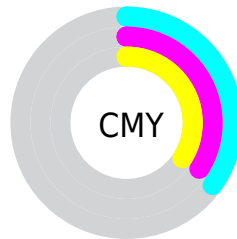
- Red (65%)
- Green (66%)
- Blue (66%)



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



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 0.932, 163.940 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, 0.932, 163.940 by changing the saturation by 10% instead.

 69, 0.932, 163.940

 69, 0.932, 163.940

 100, 0.932,
163.940

 59, 0.932, 163.940

 89, 0.932, 163.940

 49, 0.932, 163.940

 99, 0.932, 163.940

 39, 0.932, 163.940

 29, 0.932, 163.940

 19, 0.932, 163.940

 9, 0.932, 163.940

 0, 0.932, 163.940

 69, 0.932, 163.940

 69, 0.932, 163.940

 68, 8.874, 162.727

 71, 6.959, 344.224

66, 16.779,
161.787

72, 14.741,
344.946

65, 24.550,
160.752

74, 22.370,
345.596

64, 32.066,
159.593

76, 29.814,
346.196

63, 39.199,
158.286

78, 37.055,
346.756

62, 45.818,
156.806

79, 40.466,
342.665

62, 51.811,
155.133

79, 43.150,
337.885

61, 57.099,
153.253

79, 46.125,
333.749

61, 61.660,
151.172

80, 49.333,
330.189

Harmonies

Complementary

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



69, 0.932, 163.940



69, 0.947, 343.331

Rectangle

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



69, 0.932, 163.940



69, 0.932, 213.940



69, 0.932, 343.940



69, 0.932, 33.940

Sweetspot

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



69, 0.934, 163.901



88, 0.010, 296.813



69, 1.153, 128.519



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, 0.934, 163.901



87, 0.973, 163.978



69, 0.752, 198.593



36, 0.444, 164.029



54, 58.838, 149.547



5, 8.593, 160.055

Inverse Universe

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



69, 0.947, 343.331



87, 0.988, 343.255



69, 0.760, 17.456



36, 0.451, 343.206



31, 56.552, 1.116



2, 7.803, 347.545

Previews

White Background



This preview shows how the CIE LCh color 69, 0.932, 163.940 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, 0.932, 163.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

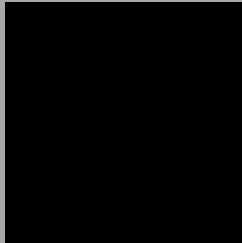
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

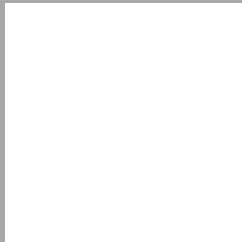
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 0.932, 163.940

Background



This preview shows how black text looks on a background with the CIELCh color 69, 0.932, 163.940.

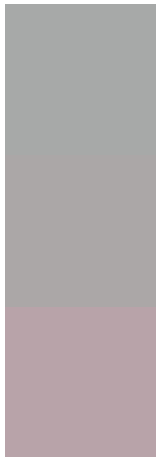


This preview shows how white text looks on a background with the CIELCh color 69, 0.932, 163.940.

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, 0.932, 163.940

Protanopia

69, 1.519, 19.221

Deuteranopia

69, 8.696, 357.998



Tritanopia
69, 7.197, 296.754

Trichromacy



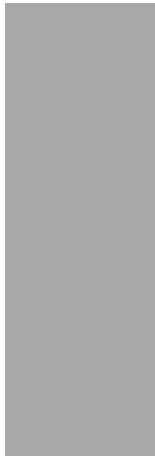
Original Color
69, 0.932, 163.940

Protanomaly
69, 0.656, 74.786

Deuteranomaly
69, 5.430, 356.025

Tritanomaly
69, 4.398, 290.634

Monochromacy



Original Color
69, 0.932, 163.940

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, 0.932, 163.940 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(167, 169, 168)` looks like.

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

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

Border

The CSS property to change the border of an element to CIELCh 69, 0.932, 163.940 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(167, 169, 168) }
```

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

```
.border{ border-color:rgb(167, 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(167, 169, 168)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 69, 0.932, 163.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(167,  
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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