

Converting Colors

CIELCh(69, 13.725, 117.286)

Have a look what the booklet for
CIELCh(69, 13.725, 117.286)
contains.

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Color

CIELCh(69, 13.789, 117.016)

Conversions

Conversions Part 1

Format	Color
Hex	A6AB92
RGB	166, 171, 146
RGB Percent	65%, 67%, 57%
CMY	0.3487, 0.3291, 0.4272
CMYK	0.03, 0.00, 0.15, 0.33
HSL	72°, 13%, 62%
HSV	72°, 15%, 67%
XYZ	35.5103, 39.3444, 32.9444
YIQ	166.6550, 5.0450, -8.8350

Conversions

Conversions Part 2

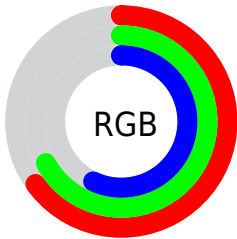
Format	Color
RYB	146, 171, 151
Decimal	10922898
CIELab	69.00, -6.26, 12.28
CIELCh	69, 13.789, 117.016
Yxy	39.3444, 0.3294, 0.3650
Android (android.graphics.Color)	4289112978 (0xFFA6AB92)
YUV	166.6550, -10.1829, -0.5744
Hunter-Lab	62.7251, -8.7153, 12.7674

Details

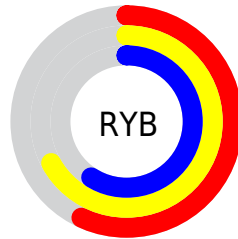
The CIELCh color **69, 13.789, 117.016** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 14.219, 299.062**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 13.608, 116.905**, and **49, 14.135, 117.022** is the 20% darker color. If you saturate the color by 10%, you get **68, 23.146, 116.339**, and if you desaturate by 10%, it is **70, 4.357, 117.696**.

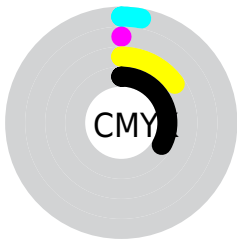
Distribution



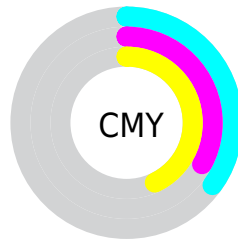
- Red (65%)
- Green (67%)
- Blue (57%)



- Red (57%)
- Yellow (67%)
- Blue (59%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (33%)



- Cyan (35%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 13.789, 117.016 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, 13.789, 117.016 by changing the saturation by 10% instead.

■ 69, 13.789,
117.016

■ 69, 13.789,
117.016

■ 100, 13.789,
117.016

■ 59, 13.789,
117.016

■ 89, 13.789,
117.016

■ 49, 13.789,
117.016

■ 99, 13.789,
117.016

■ 39, 13.789,
117.016

■ 29, 13.789,
117.016

■ 19, 13.789,
117.016

■ 9, 13.789, 117.016

■ 0, 13.789, 117.016

69, 13.789,
117.016

69, 13.789,
117.016

68, 23.146,
116.339

70, 4.357, 117.696

68, 32.342,
115.666

70, 5.100, 298.344

67, 41.257,
115.029

71, 14.541,
298.970

67, 49.710,
114.468

72, 23.939,
299.563

66, 57.432,
114.038

73, 33.273,
300.120

66, 64.059,
113.814

74, 42.527,
300.642

66, 69.164,
113.884

74, 45.979,
301.671

65, 72.418,

75, 46.115,
303.012

114.328

■ 75, 46.273,
304.358

■ 65, 73.723,
114.650

Harmonies

Complementary

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



69, 13.789, 117.016



62, 14.219, 299.062

Rectangle

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



69, 13.789, 117.016



69, 13.789, 167.016



69, 13.789, 297.016



69, 13.789, 347.016

Sweetspot

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



69, 13.791, 117.021



88, 4.663, 117.732



64, 8.442, 39.183



47, 3.341, 117.683



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



69, 13.791, 117.021



87, 20.961, 116.768



68, 15.343, 135.108



36, 5.404, 117.380



58, 67.043, 114.537



7, 11.571, 120.767

Inverse Universe

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



62, 14.219, 299.062



76, 21.783, 299.369



63, 15.516, 316.331



34, 5.514, 298.649



18, 88.769, 307.370



1, 11.435, 296.570

Previews

White Background



This preview shows how the CIELCh color 69, 13.789, 117.016 looks on a white background.

Color Contrast Check

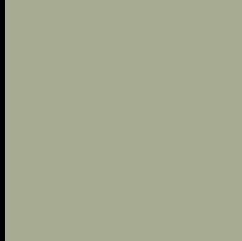
Large Text (above 18pt) WCAG AA × Fail

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, 13.789, 117.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

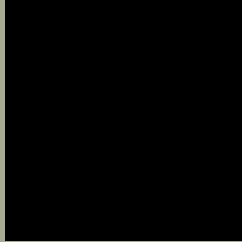
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

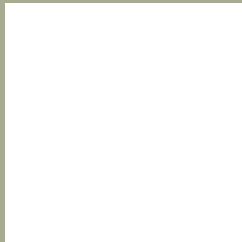
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 13.789, 117.016

Background



This preview shows how black text looks on a background with the CIELCh color 69, 13.789, 117.016.



This preview shows how white text looks on a background with the CIELCh color 69, 13.789, 117.016.

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, 13.789, 117.016

Protanopia
69, 13.596, 93.422

Deuteranopia
69, 14.394, 52.201



Tritanopia
69, 7.412, 305.297

Trichromacy



Original Color
69, 13.789, 117.016

Protanomaly
69, 13.194, 101.886

Deuteranomaly
69, 12.241, 73.001

Tritanomaly
69, 0.656, 74.786

Monochromacy



Original Color
69, 13.789, 117.016

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 4.945, 114.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 13.789, 117.016 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, 171, 146)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 146)  
}
```

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, 171, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 13.789, 117.016 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, 171, 146) }
```

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

```
.border{ border-color:rgb(166, 171, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 171, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 146);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 13.789, 117.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 146) }
```

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

```
.background{ background-color: rgb(166,  
171, 146) }
```

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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