

Converting Colors

CIELCh(69, 12.796, 109.001)

Have a look what the booklet for
CIELCh(69, 12.796, 109.001)
contains.

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Color

CIELCh(69, 13.094, 108.836)

Conversions

Conversions Part 1

Format	Color
Hex	AAAA92
RGB	170, 170, 146
RGB Percent	67%, 67%, 57%
CMY	0.3335, 0.3335, 0.4276
CMYK	0.00, 0.00, 0.14, 0.33
HSL	60°, 12%, 62%
HSV	60°, 14%, 67%
XYZ	36.1161, 39.3444, 32.8647
YIQ	167.2640, 7.7040, -7.4640

Conversions

Conversions Part 2

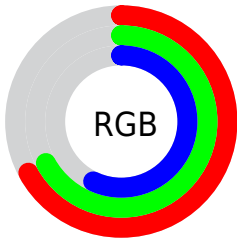
Format	Color
R _{YB}	146, 170, 146
Decimal	11184786
CIE Lab	69.00, -4.23, 12.39
CIE LCh	69, 13.094, 108.836
Yxy	39.3444, 0.3334, 0.3632
Android (android.graphics.Color)	4289374866 (0xFFAAA92)
YUV	167.2640, -10.4832, 2.3995
Hunter-Lab	62.7251, -6.9917, 12.8427

Details

The CIELCh color **69, 13.094, 108.836** is a light color, and the websafe version is hex **999999**. A complement of this color would be **61, 13.518, 291.675**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 12.953, 109.102**, and **49, 13.390, 108.384** is the 20% darker color. If you saturate the color by 10%, you get **69, 22.284, 107.889**, and if you desaturate by 10%, it is **69, 3.825, 109.782**.

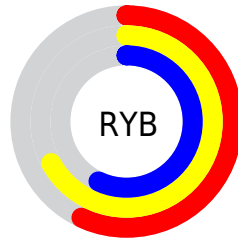
Distribution



Red (67%)

Green (67%)

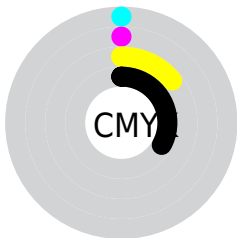
Blue (57%)



Red (57%)

Yellow (67%)

Blue (57%)

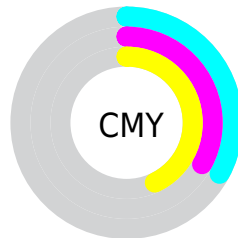


Cyan (0%)

Magenta (0%)

Yellow (14%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 13.094, 108.836 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, 13.094, 108.836 by changing the saturation by 10% instead.

■ 69, 13.094,
108.836

■ 69, 13.094,
108.836

■ 100, 13.094,
108.836

■ 59, 13.094,
108.836

■ 89, 13.094,
108.836

■ 49, 13.094,
108.836

■ 99, 13.094,
108.836

■ 39, 13.094,
108.836

■ 29, 13.094,
108.836

■ 19, 13.094,
108.836

■ 9, 13.094, 108.836

■ 0, 13.094, 108.836

69, 13.094,
108.836

69, 13.094,
108.836

69, 22.284,
107.889

69, 3.825, 109.782

68, 31.312,
106.944

70, 5.478, 290.741

68, 40.061,
106.030

70, 14.779,
291.643

68, 48.346,
105.172

71, 24.056,
292.516

68, 55.896,
104.401

72, 33.290,
293.353

68, 62.339,
103.756

72, 42.470,
294.150

68, 67.245,
103.273

73, 46.274,
294.470

67, 70.277,

73, 46.274,
294.471

102.980

■ 73, 46.274,
294.472

■ 67, 71.507,
102.862

Harmonies

Complementary

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



69, 13.094, 108.836



61, 13.518, 291.675

Rectangle

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



69, 13.094, 108.836



69, 13.094, 158.836



69, 13.094, 288.836



69, 13.094, 338.836

Sweetspot

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



69, 13.096, 108.842



88, 4.610, 109.787



63, 9.545, 20.291



47, 3.303, 109.719



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, 13.096, 108.842



88, 19.562, 108.538



68, 13.982, 128.453



36, 5.211, 109.302



59, 64.564, 102.862



6, 9.557, 110.186

Inverse Universe

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



61, 13.518, 291.675



76, 20.340, 292.060



62, 14.252, 309.696



32, 5.323, 291.128



16, 89.150, 306.288



0, 9.559, 290.183

Previews

White Background



This preview shows how the CIELCh color 69, 13.094, 108.836 looks on a white background.

Color Contrast Check

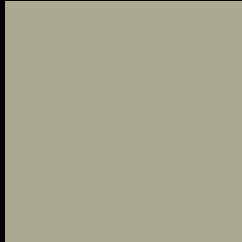
Large Text (above 18pt) WCAG AA × Fail

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, 13.094, 108.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

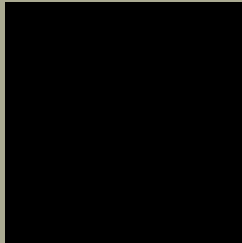
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

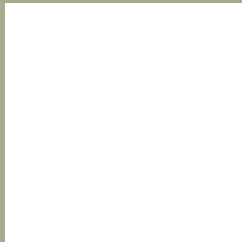
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 13.094, 108.836

Background



This preview shows how black text looks on a background with the CIELCh color 69, 13.094, 108.836.



This preview shows how white text looks on a background with the CIELCh color 69, 13.094, 108.836.

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, 13.094, 108.836

Protanopia

69, 13.069, 92.874

Deuteranopia

69, 14.394, 52.201



Tritanopia
69, 7.933, 315.768

Trichromacy



Original Color
69, 13.094, 108.836

Protanomaly
69, 13.247, 100.164

Deuteranomaly
69, 12.490, 71.505

Tritanomaly
69, 2.346, 32.885

Monochromacy



Original Color
69, 13.094, 108.836

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 4.925, 109.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 13.094, 108.836 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(170, 170, 146)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 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(170, 170, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 13.094, 108.836 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(170, 170, 146) }
```

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

```
.border{ border-color:rgb(170, 170, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 146);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 13.094, 108.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 146) }
```

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

```
.background{ background-color: rgb(170,  
170, 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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