

Converting Colors

CIELCh(69, 11.905, 109.387)

Have a look what the booklet for
CIELCh(69, 11.905, 109.387)
contains.

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Color

CIELCh(69, 12.006, 108.948)

Conversions

Conversions Part 1

Format	Color
Hex	AAAA94
RGB	170, 170, 148
RGB Percent	67%, 67%, 58%
CMY	0.3340, 0.3340, 0.4203
CMYK	0.00, 0.00, 0.13, 0.33
HSL	60°, 11%, 62%
HSV	60°, 13%, 67%
XYZ	36.2146, 39.3444, 33.6329
YIQ	167.4920, 7.0620, -6.8420

Conversions

Conversions Part 2

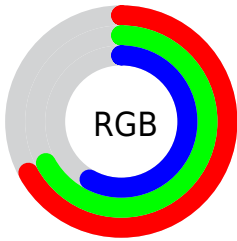
Format	Color
R_{YB}	148, 170, 148
Decimal	11184788
CIE Lab	69.00, -3.90, 11.36
CIE LCh	69, 12.006, 108.948
Yxy	39.3444, 0.3317, 0.3603
Android (android.graphics.Color)	4289374868 (0xFFAAA94)
YUV	167.4920, -9.6096, 2.1995
Hunter-Lab	62.7251, -6.7112, 12.1166

Details

The CIELCh color $69, 12.006, 108.948$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 12.363, 291.540$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 11.918, 109.187$, and $49, 12.233, 108.540$ is the 20% darker color. If you saturate the color by 10%, you get $69, 21.204, 108.001$, and if you desaturate by 10%, it is $69, 2.736, 109.888$.

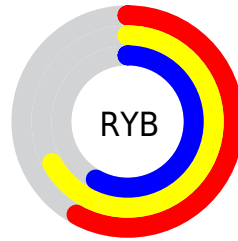
Distribution



Red (67%)

Green (67%)

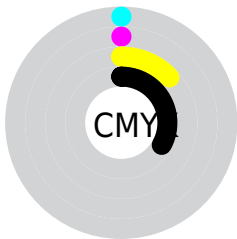
Blue (58%)



Red (58%)

Yellow (67%)

Blue (58%)

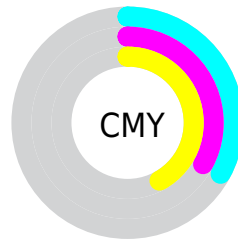


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 12.006, 108.948 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, 12.006, 108.948 by changing the saturation by 10% instead.

■ 69, 12.006,
108.948

■ 69, 12.006,
108.948

■ 100, 12.006,
108.948

■ 59, 12.006,
108.948

■ 89, 12.006,
108.948

■ 49, 12.006,
108.948

■ 99, 12.006,
108.948

■ 39, 12.006,
108.948

■ 29, 12.006,
108.948

■ 19, 12.006,
108.948

■ 9, 12.006, 108.948

■ 0, 12.006, 108.948

69, 12.006,
108.948

69, 12.006,
108.948

69, 21.204,
108.001

69, 2.736, 109.888

68, 30.251,
107.055

70, 6.563, 290.848

68, 39.035,
106.136

70, 15.857,
291.747

68, 47.382,
105.270

71, 25.124,
292.617

68, 55.031,
104.487

72, 34.347,
293.449

68, 61.622,
103.825

72, 43.515,
294.241

68, 66.727,
103.322

73, 46.345,
294.479

67, 69.986,

73, 46.345,
294.481

103.006

■ 73, 46.345,
294.482

■ 67, 71.469,
102.864

Harmonies

Complementary

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



69, 12.006, 108.948



62, 12.363, 291.540

Rectangle

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



69, 12.006, 108.948



69, 12.006, 158.948



69, 12.006, 288.948



69, 12.006, 338.948

Sweetspot

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



69, 12.008, 108.955



88, 4.610, 109.788



63, 8.710, 20.196



47, 3.303, 109.720



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, 12.008, 108.955



88, 18.417, 108.637



68, 12.815, 128.507



36, 5.211, 109.303



59, 64.564, 102.864



6, 9.557, 110.187

Inverse Universe

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



62, 12.363, 291.540



77, 19.105, 291.935



63, 13.043, 309.640



32, 5.324, 291.129



16, 89.150, 306.288



0, 9.559, 290.184

Previews

White Background



This preview shows how the CIELCh color 69, 12.006, 108.948 looks on a white background.

Color Contrast Check

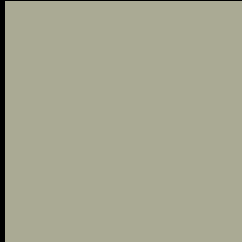
Large Text (above 18pt) WCAG AA × Fail

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, 12.006, 108.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

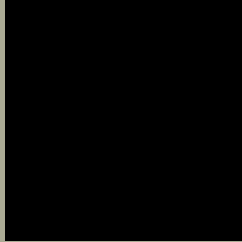
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

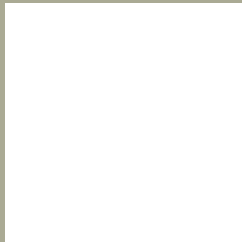
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 12.006, 108.948

Background



This preview shows how black text looks on a background with the CIELCh color 69, 12.006, 108.948.



This preview shows how white text looks on a background with the CIELCh color 69, 12.006, 108.948.

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, 12.006, 108.948

Protanopia
69, 11.905, 93.463

Deuteranopia
69, 13.725, 51.267



Tritanopia
69, 7.933, 315.768

Trichromacy



Original Color
69, 12.006, 108.948

Protanomaly
69, 12.169, 99.541

Deuteranomaly
69, 11.353, 69.962

Tritanomaly
69, 1.900, 19.318

Monochromacy



Original Color
69, 12.006, 108.948

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 4.378, 109.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 12.006, 108.948 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 12.006, 108.948 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, 148) }
```

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

```
.border{ border-color:rgb(170, 170, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 170, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 170, 148); box-shadow:4px 4px 4px 4px rgb(170, 170, 148) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 12.006, 108.948 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, 148) }
```

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

```
.background{ background-color: rgb(170,  
170, 148) }
```

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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